

HNOKV82	R	1328	blastx.2	[Homo sapiens] (AF081484) alpha-tubulin isoform 1 [Homo sapiens]	gb AAC31959.1	100%	3	488
HNORA56	R	1330	blastx.2	MHC class I A [Pan troglodytes]	gb AAA88855.1	93% 91% 96%	2 348 289	289 494 363
HNORB68	R	1331	blastx.2	high mobility group protein 17 [Homo sapiens]	gb AAA52678.1	95%	4	186
HNORC14	R	1332	blastx.2	hevin [Homo sapiens]	emb CAA57650.1	90%	2	496
HNORD11	R	1333	blastx.2	ribosomal protein L5 [Rattus norvegicus]	gb AAA42074.1	93% 91%	179 7	394 183
HNORE65	R	1334	blastx.2	ORF [Pan troglodytes]	dbj BAA01980.1	83%	77	355
HNORF03		1335	blastx.2	(AL031228) dJ1033B10.2 (WD40 protein BING4 (similar to S. 1 sapiens])	emb CAA20229.1	89% 83% 90%	70 529 357	357 582 386
HNORF04		1336	blastx.2	(AF196481) RING finger protein; FXY2 [Homo sapiens]	gb AAF07341.1 AF196481_1	91%	4	144
HNORF05		1337	blastx.2	'human homologue of rat ribosomal protein L9' [Homo sapiens]	dbj BAA03401.1	98% 98%	2 321	319 485
HNORF13		1338	blastx.2	TIMP [Homo sapiens]	emb CAA00898.1	74%	31	615
HNORH03	R	1339	blastx.2	(AF110731) antioxidant enzyme	gb AAF03750.1 AF110731_1	95%	3	641

HNORH05	HNORH05 R	1340	blastx.2	B166 [Homo sapiens] ubiquitin conjugating- protein [Oryctolagus cuniculus]	gb AAA31492.1	100%	43	498
HNORJ08	HNORJ08R	1342	blastx.2	ATPase [Mus musculus]	gb AAA88243.1	90% 90% 38%	3 308 514	350 496 606
HOCMA02	HOCMA02 RA	1344	blastx.2	(AF016365) hexokinase I [Homo sapiens]	gb AAC15862.1	100% 65% 86% 50%	3 3 490 490	497 497 558 555
HOCMC08	HOCMC08 R	1347	blastx.2	elongation factor 1 alpha [Oryctolagus cuniculus]	gb AAA18502.1	89%	19	423
HOCMF27	HOCMF27 R	1349	blastx.2	sorbitol dehydrogenase [Homo sapiens]	gb AAA66064.1	100%	3	395
HOCMG37	HOCMG37 R	1352	blastx.2	chaperonin (HSP60) [Homo sapiens]	gb AAA36022.1	98% 36%	4 326	351 424
HOCMI62	HOCMI62R	1353	blastx.2	S19 ribosomal protein [Homo sapiens]	gb AAA89070.1	67%	64	384
HOCMJ47	HOCMJ47R	1354	blastx.2	ribosomal protein L18a [Homo sapiens]	gb AAC18781.1	98% 100%	4 413	378 439
HOCMK20	HOCMK20 R	1355	blastx.2	stathmin [Xenopus laevis]	emb CAA50562.1	77% 64%	80 363	379 500
HOCML06	HOCML06 R	1356	blastx.2	glyceraldehyde 3- phosphate dehydrogenase (EC 1.2.1.12) [Homo sapiens]	gb AAA52496.1	97%	123	707

HOCML66	HOCML66 R	1357	blastx.2	(AK000779) unnamed protein product [Homo sapiens]	dbj BAA91374.1	85% 76%	2 217	211 330
HOCMM5 2	HOCMM52 R	1358	blastx.2	glutathione transferase T1 [Homo sapiens]	emb CAA55935.1	98% 100%	133 24	594 137
HOCMS75	HOCMS75 R	1360	blastx.2	plakoglobin [Homo sapiens]	emb CAA92522.1	88%	6	500
HOCMS87	HOCMS87 R	1361	blastx.2	insulin-like growth factor binding protein 5 [Homo sapiens]	gb AAA53505.1	70%	151	615
HOCMY53	HOCMY53 R	1363	blastx.2	(AF028832) Hsp89- alpha-delta-N [Homo sapiens]	gb AAC25497.1	97% 100% 43%	97 309 45	312 416 113
HOCMY61	HOCMY61 R	1364	blastx.2	ribosomal protein S15a [Rattus norvegicus]	emb CAA54918.1	99%	80	466
HOCMY79	HOCMY79 R	1365	blastx.2	fau [Homo sapiens]	emb CAA46716.1	100% 100%	317 115	511 315
HOCOC38	HOCOC38 R	1366	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q16465 YZA1_H UMAN	100%	388	23
HOCOC94	HOCOC94 R	1368	blastx.2	protein phosphatase 2A (AA 1 - 309) [Oryctolagus cuniculus]	emb CAA68732.1	98% 84% 66%	3 490 566	485 567 628
HOCOF35	HOCOF35R	1369	blastx.2	(AF059486) putative actin-binding protein DOC6 [Mus musculus]	gb AAC31808.1	51% 81% 47% 29% 28% 31%	224 100 495 31 511 139	706 279 647 273 711 282

HOCOF50	HOCOF50R	1370	blastx.2	'FKBP52; 52 kD FK506 binding protein' [Homo sapiens]	gb AAA36111.1	72%	2	460
						46%	38	532
						55%	396	632
						43%	472	561
HOCOO62	HOCOO62 R	1371	blastx.2	Ro ribonucleoprotein autoantigen (Ro/SS-A) precursor [Homo sapiens]	gb AAA36582.1	77%	42	596
HOCOP52	HOCOP52R	1372	blastx.2	spliceosomal protein [Homo sapiens]	gb AAA60300.1	67%	2	631
						34%	68	301
						39%	388	621
						30%	441	626
						42%	522	620
HOCOQ13	HOCOQ13 R	1373	blastx.2	probable transmembrane protein TMC - human	pir S70029 S70029	94%	94	474
						75%	482	541
HOCOT70	HOCOT70 R	1375	blastx.2	ribosomal protein S17 [Homo sapiens]	gb AAA60284.1	97%	8	412
HOCPF69	HOCPF69R	1377	blastx.2	(A)001701) deoxyhypusine synthase [Homo sapiens]	emb CAA04940.1	96%	1	351
						72%	347	412
						50%	396	455
HOCPH40	HOCPH40R	1380	blastx.2	3-oxoacyl-CoA thiolase propeptide (424 AA) [Homo sapiens]	emb CAA31412.1	100%	2	217
HOCPH44	HOCPH44R	1381	blastx.2	antiserotory factor-1 [Homo sapiens]	gb AAB54057.1	96%	3	275
						48%	286	408
HOCPI53	HOCPI53R	1383	blastx.2	collagen (VI) alpha-1 chain [Homo sapiens]	emb CAA67576.1	76%	41	322
						56%	225	365
						100%	4	39

HOCPM39	HOCPM39 R	1385	blastx.2	pinin [Bos taurus]	gb AAB48302.1	86%	23	136
HOCPP65	HOCPP65R	1386	blastx.2	histone H2A.F [Gallus gallus]	emb CAA32094.1	85% 53%	63 350	314 445
HOCPP80	HOCPP80R	1387	blastx.2	isoleucyl-tRNA synthetase [Homo sapiens]	gb AAA80153.1	88%	3	563
HOCPPQ59	HOCPPQ59R	1389	blastx.2	(AF006012) dishevelled 2 [Homo sapiens]	gb AAB65243.1	84% 100%	38 5	394 52
HOCPPQ66	HOCPPQ66R	1390	blastx.2	clathrin-associated protein 17 [Rattus norvegicus]	gb AAA40742.1	100%	2	427
HOCPPQ75	HOCPPQ75R	1391	blastx.2	TIMP [Homo sapiens]	emb CAA00898.1	86%	26	646
HOCPR01	HOCPR01R	1392	blastx.2	alpha subunit (aa 1-394) [Bos taurus]	emb CAA27137.1	100% 91%	39 2	536 37
HOCPR29	HOCPR29R	1393	blastx.2	translation initiation factor [Homo sapiens]	emb CAA56074.1	96% 48% 40%	1 603 575	579 776 679
HOCPR53	HOCPR53R	1395	blastx.2	P311 HUM [Homo sapiens]	gb AAA74903.1	77%	86	268
HOCPR77	HOCPR77R	1397	blastx.2	similar to emb-5 protein of C.elegans. [Homo sapiens]	dbj BAA11479.1	92%	1	249
HOCPS35	HOCPS35R	1399	blastx.2	(AB017018) JKTBP2 [Homo sapiens]	dbj BAA75239.1	100%	3	203
HOCPU03	HOCPU03R	1400	blastx.2	dihydropyridine-sensitive L-type calcium channel alpha-2 subunit	gb AAA41088.1	65% 54%	7 441	456 512

HOCPU30	HOCPU30R	1401	blastx.2	[Rattus norvegicus] KDEL receptor [Homo sapiens]	emb CAA39371.1	66%	342	518
HOCPU68	HOCPU68R	1402	blastx.2	preprocathepsin B [Homo sapiens]	gb AA52129.1	98%	3	269
HOCPU29	HOCPU29R	1403	blastx.2	thrombin inhibitor [Homo sapiens]	emb CAA80373.1	58%	243	593
HOCPU67	HOCPU67R	1404	blastx.2	serine/threonine-protein kinase PRP4m [Mus musculus]	gb AAB03269.1	88% 87%	58 345	327 518
HOCPU72	HOCPU72R	1405	blastx.2	(AF132952) CGI-18 protein [Homo sapiens]	gb AAD27727.1 AF132952.1	91% 84%	33 184	203 318
HOCPU56	HOCPU56R	1406	blastx.2	ARL3 [Homo sapiens]	gb AAA21654.1	100%	2	502
HOCPU81	HOCPU81R	1408	blastx.2	cysteine protease Mch2 isoform alpha [Homo sapiens]	gb AAC50168.1	91%	2	739
HOCPU01	HOCPU01R	1409	blastx.2	(AF052514) thymus specific serine peptidase [Homo sapiens]	gb AAC33563.1	73% 50% 87% 28%	129 113 566 483	440 571 589 587
HOCPU76	HOCPU76R	1411	blastx.2	(AF002705) beta prime COP [Rattus norvegicus]	gb AAB88018.1	99% 77%	2 423	421 524
HOCQA26	HOCQA26R	1413	blastx.2	interferon-inducible protein [Homo sapiens]	emb CAA59337.1	100% 71% 47%	205 410 360	378 571 473
HOCQA37	HOCQA37	1414	blastx.2	lactoyl glutathione	dbj BAA02572.1	100%	136	276

	R				lyase [Homo sapiens]			82%	63	131
HOCQA86	HOCQA86 R	1415	blastx.2		proteoglycan core protein [Homo sapiens]	gb AAB00774.1		91%	84	392
HOCQB18	HOCQB18 R	1416	blastx.2		general transcription factor [Homo sapiens]	emb CAA37375.1		99%	3	473
HOCQB48	HOCQB48 R	1417	blastx.2		Na+-independent neutral and basic amino acid transporter [Homo sapiens]	dbj BAA11541.1		97%	4	555
HOCQC71	HOCQC71 R	1419	blastx.2		calcium binding protein [Homo sapiens]	dbj BAA23325.1		98%	126	419
HOCQD10	HOCQD10 R	1420	blastx.2		ribosomal protein L12 [Homo sapiens]	gb AAA36157.1		88%	152	637
HOCQD19	HOCQD19 R	1421	blastx.2		retinoid X receptor alpha [Rattus norvegicus]	gb AAA42093.1		80% 56%	3 424	392 567
HOCQD42	HOCQD42 R	1423	blastx.2		(AF095257) heterogeneous nuclear ribonucleoprotein C1/C2; hnRNP C1/C2 [Mus musculus]	gb AAD03717.1		86% 65% 59% 53%	1 299 474 474	294 475 614 599
HOCQD45	HOCQD45 R	1424	blastx.2		glyceraldehyde-3- phosphate dehydrogenase (EC 1.2.1.12), eutheric tissue - desert jerboa	pir JC5370 JC5370		91% 54% 100%	92 495 457	463 785 492
HOCQE35	HOCQE35 R	1425	blastx.2		ribosomal protein L7a large subunit [Homo sapiens]	gb AAA60282.1		74%	6	437

HOCQG94	HOCQG94 R	1426	blastx.2	actin [Brugia malayi]	emb CAB06627.1	62%	9	629
HOCQH81	HOCQH81 R	1427	blastx.2	(AF038952) cofactor A protein [Homo sapiens]	gb AAC39866.1	58%	254	652
HOCQI31	HOCQI31R	1428	blastx.2	prostacyclin- stimulating factor, PGI2-stimulating factor, PSF 1 sapiens]	gb AAB32370.1	91%	144	242
HOCQM24	HOCQM24 R	1430	blastx.2	hnRNPCore protein A1 [Homo sapiens]	emb CAA56072.1	100%	1	324
HODAF78	HODAF78 R	1431	blastx.2	(AC004638) amyloid precursor protein- binding protein 1 (APP-B1) [Homo sapiens]	gb AAC23784.1	55%	8	274
HODCZ52	HODCZ52 R	1434	blastx.2	tissue-specific secretory protein [synthetic construct]	emb CAA01433.1	66%	26	133
HODDI57	HODDI57R	1435	blastx.2	(AF113514) histone acetyltransferase MORF [Homo sapiens]	gb AAF00095.1	100%	216	233
						96%	6	167
						68%	164	304
						36%	12	158
						33%	12	170
						35%	45	164
						30%	39	164
						25%	30	176
						30%	24	164
						27%	36	146
						26%	13	168
						37%	81	161
						46%	53	91

HODER57	HODER57 R	1440	blastx.2	Method: conceptual translation supplied by author [Homo sapiens]	gb AAA91179.1	34%	6	101
HODFC44	HODFC44R P00	1449	blastx.2	(AF216754) over- expressed breast tumor protein [Homo sapiens]	gb AAF25683.1 AF2 16754_1	98%	1	207
HODFJ14	HODFJ14R	1453	blastx.2	Ran_GTP binding protein 5 [Homo sapiens]	emb CAA70103.1	100%	2	181
HODFO16	HODFO16 R	1459	blastx.2	selenium donor protein [Homo sapiens]	gb AAA87567.1	100%	305	409
HODFO64	HODFO64 R	1460	blastx.2	zinc finger protein ZNF136 [Homo sapiens]	gb AAC50261.1	78%	16	153
						70%	1	153
						70%	1	153
						64%	1	153
						66%	1	153
						71%	16	153
						58%	1	153
						58%	1	153
						60%	1	156
						58%	1	153
						58%	1	153
						58%	7	153
						54%	10	153
						75%	150	233
						67%	156	239
						77%	174	239
						90%	174	233
						62%	153	239

HODFP51	HODFP51R	1461	blastx.2	pre-mRNA splicing factor [Homo sapiens]	gb AAA36648.1	45%	159	329
HODFQ19	HODFQ19R	1462	blastx.2	DNA topoisomerase III [Homo sapiens]	gb AAB03694.1	63%	153	242
HODFQ37	HODFQ37R	1463	blastx.2	pancreatic peptidylglycine alpha-amidating monooxygenase, 1 1	gb AAB32776.1	80%	174	233
HODGB69	HODGB69R	1475	blastx.2	protein 4 [Homo sapiens]	gb AAB58952.1	60%	153	236
HODGH30	HODGH30	1478	blastx.2	IDN4-GGTR14	sp Q9Y6Y5 Q9Y6Y5	54%	49	153
						51%	242	328
						70%	269	328
						55%	239	319
						60%	174	233
						43%	242	337
						81%	272	319
						54%	248	319
						32%	159	314
						34%	174	314
						48%	242	328
						52%	251	319
						41%	239	325
						41%	248	319
						37%	239	325
						77%	74	439
						44%	104	436
						89%	7	453
						92%	47	499
						93%	2	97
						25%	338	493
						89%	3	470
						90%	31	129

	R			PROTEIN.				
HODGH43	HODGH43 R	1479	blastx.2	(AB005878) BYJ15 [Nicotiana tabacum]	dbj BAA21615.1	100%	48	116
HODGH65	HODGH65 R	1480	blastx.2	IDN4-GGTR14 PROTEIN.	sp Q9Y6Y5 Q9Y6Y5	28%	217	363
HODGN53	HODGN53 R	1482	blastx.2	(AF186461) ring finger protein Fxy [Rattus norvegicus]	gb AAD56247.1 AF1 86461_1	96%	41	127
HODGQ52	HODGQ52 R	1487	blastx.2	unnamed protein product [unidentified]	emb CAB42187.1	39%	95	475
HODGW91	HODGW91 R	1489	blastx.2	phosphofructokinase [Homo sapiens]	gb AAA79220.1	82%	1	84
HODGZ63	HODGZ63 R	1493	blastx.2	putative [Caenorhabditis elegans]	gb AAA28195.1	25%	118	189
HODHD23	HODHD23 R	1495	blastx.2	fused-ccdB [Escherichia coli]	emb CAA71575.1	100%	101	3
HODHE54	HODHE54 R	1498	blastx.2	lysyl oxidase-like protein [Homo sapiens]	gb AAA50162.1	93%	394	347
HODHE88	HODHE88 R	1499	blastx.2	(AK001737) unnamed protein product [Homo sapiens]	dbj BAA91871.1	49%	190	462
HODHG56	HODHG56 R	1500	blastx.2	(AF151888) CGI-130 protein [Homo sapiens]	gb AAD34125.1 AF1 51888_1	57%	470	532
HODHK86	HODHK86 R	1503	blastx.2	(AB005299) BAI 3 [Homo sapiens]	dbj BAA25363.1	92%	24	104
HODJL36	HODJL36R	1505	blastx.2	(AL031177)	emb CAA20118.1	100%	24	323
						96%	323	418
						32%	94	348
						83%	29	196
						100%	121	231
						93%	2	289
						88%	413	568
						48%	207	590
						40%	254	436

	A				dJ889N15.2.2 (26S Proteasome subunit p28 (Ankyrin 1)		32%	26	118
HODJZ09	HODJZ09R	1506	blastx.2		prepronociceptin [Homo sapiens]	emb CAA66039.1	98%	64	558
HODKB82	HODKB82 R	1508	blastx.2		serine/threonine kinase [Rattus norvegicus]	emb CAB06294.1	96% 28%	3 348	338 473
HODKD64	HODKD64 R	1514	blastx.2		(AL096881) hypothetical protein [Homo sapiens]	emb CAB51405.1	66%	503	333
HODKK26	HODKK26 R	1519	blastx.2		calmodulin [Homo sapiens]	dbj BAA08302.1	99% 45% 34% 100% 75%	59 41 38 463 417	424 286 391 507 464
HODKK40	HODKK40 R	1520	blastx.2		ribosomal protein S6 [Homo sapiens]	gb AAA60289.1	99%	1	624
HODKK73	HODKK73 R	1521	blastx.2		acidic ribosomal phosphoprotein (P0) [Homo sapiens]	gb AAA36470.1	96% 71% 28%	3 331 416	344 651 682
HODKN65	HODKN65 R	1526	blastx.2		homologue to elongation factor 1- gamma from A.salina [Homo sapiens]	emb CAA45089.1	76%	5	538
HOECR39	HOECR39R	1527	blastx.2		(AF216306) DCRC-1 [Mus musculus]	gb AAF32294.1 AF2 16306_1	58%	116	424
HOFAB77	HOFAB77R	1528	blastx.2		(AC007193) PPP5_HUMAN [Homo sapiens]	gb AAD22669.1 AC0 07193_3	80% 47%	16 450	489 512

HOFMF79	HOFMF79 RA	1530	blastx.2	cytochrome b [Canis familiaris]	gb AAD04775.1	80% 38%	4 305	339 430
HOFMJ88	HOFMJ88R	1531	blastx.2	receptor protein- tyrosine kinase [Homo sapiens]	gb AAA61139.1	76%	17	370
HOFMM8 4	HOFMM84 R	1533	blastx.2	hydroxymethylglutaryl- CoA reductase (NADPH) (EC 1.1.1.34) - mouse (fragments)	pir A43533 A43533	72% 85%	112 254	252 274
HOFMN93	HOFMN93 R	1534	blastx.2	(AF133669) ARL-6 interacting protein-1 [Mus musculus]	gb AAD33046.1 AF1 33669_1	61% 84%	36 214	299 327
HOFMP59	HOFMP59 R	1535	blastx.2	mitochondrial acetoacetyl-CoA thiolase [Homo sapiens]	dbj BAA01387.1	77% 83%	1 369	360 422
HOFMT68	HOFMT68 R	1536	blastx.2	RNase L inhibitor [Mus musculus]	gb AAC24730.1	52% 40%	137 264	547 581
HOFMT69	HOFMT69 R	1537	blastx.2	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTE IN M (HNRNP M).	sp P52272 ROM_HU MAN	80% 75% 39%	127 27 98	264 122 316
HOFMU92	HOFMU92 R	1538	blastx.2	(AP000694) chromatin assembly factor 1, subunit B (p60) [Homo sapiens]	dbj BAA89426.1	63%	124	432
HOFNF63	HOFNF63R	1540	blastx.2	phosphomannomutase [Homo sapiens]	gb AAC51368.1	70%	26	478
HOFNF76	HOFNF76R	1541	blastx.2	(AB002806) OS-9	dbj BAA24363.1	94%	17	370

					isoform 2 is missing nt 1642-1806; OS-9 1				
HOFNG51	HOFNG51 R	1542	blastx.2		(AB006679) ATP binding protein [Homo sapiens]	dbj BAA21881.1	79%	157	414
HOFNK44	HOFNK44 R	1543	blastx.2		osteonectin precursor [Bos taurus]	gb AAA30678.1	96%	19	186
HOFNY53	HOFNY53 R	1544	blastx.2		(AL034417) bK215D11.1 (RNA- binding protein regulatory subunit) [Homo sapiens]	emb CAB52550.1	91%	17	232
HOFOB65	HOFOB65R	1545	blastx.2		pyruvate dehydrogenase E1- alpha precursor [Homo sapiens]	gb AAA60055.1	74%	16	600
HOFOB79	HOFOB79R P00A	1546	blastx.2		KERATIN TYPE II CYTOSKELETAL 8 (FRAGMENT).	sp Q29386 Q29386	84%	80	397
HOFOE22	HOFOE22R	1547	blastx.2		activin receptor type I [Bos taurus]	gb AAB02696.1	98%	22	345
HOFOF47	HOFOF47R	1548	blastx.2		(AF129075) T- COMPLEX PROTEIN 1; THETA SUBUNIT (TCP-1-THETA) [Homo sapiens]	gb AAD17375.1	98% 62% 100%	18 245 244	242 460 270
HOFOF56	HOFOF56R	1549	blastx.2		protein disulfide isomerase [Mus musculus]	gb AAA39906.1	85% 57% 64% 36%	115 109 35 204	219 219 115 350

HOGCF48	HOGCF48R	1553	blastx.2	hepatitis C-associated microtubular aggregate protein p44 [Homo sapiens]	dbj BAA06043.1	40%	263	352
HOGCG83	HOGCG83 R	1554	blastx.2	keratin [Homo sapiens]	emb CAA31695.1	79% 81% 59%	50 309 21	310 482 113
HOGCI28	HOGCI28R	1556	blastx.2	complement component C3 [Homo sapiens]	gb AAA85332.1	93% 83%	3 173	179 337
HOGCI10	HOGCI10R	1557	blastx.2	(AF032667) rexo70 [Rattus norvegicus]	gb AAC01579.1	94%	103	471
HOGCI55	HOGCI55R	1559	blastx.2	Grb14 [Homo sapiens]	gb AAC15861.1	95%	13	459
HOGCT44	HOGCT44 R	1562	blastx.2	casein kinase I-alpha [Homo sapiens]	gb AAC41760.1	100%	31	183
HOGCV85	HOGCV85 R	1563	blastx.2	heparin binding protein [Homo sapiens]	gb AAA58636.1	76% 73%	3 398	521 535
HOGCV93	HOGCV93 R	1564	blastx.2	elongation factor 1 alpha [Oryctolagus cuniculus]	gb AAA18502.1	79%	43	504
HOGCY12	HOGCY12 R	1565	blastx.2	elongation factor 1 alpha [Oryctolagus cuniculus]	gb AAA18502.1	97% 41%	8 302	340 547
HOGCY58	HOGCY58 R	1566	blastx.2	lipocortin II [Homo sapiens]	dbj BAA00013.1	94% 70% 30%	3 332 150	329 517 326
HOGCY74	HOGCY74 R	1567	blastx.2	extracellular matrix protein BM-40 (AA 1 -	emb CAA68724.1	100%	3	260

HOGDD29	HOGDD29 R	1568	blastx.2	303) [Homo sapiens] drebrin E2 [Homo sapiens]	gb AAA16256.1	88%	3	152
HOGDG03	HOGDG03 R	1570	blastx.2	l-caldesmon II [Homo sapiens]	dbj BAA14419.1	95% 87%	191 393	388 491
HOGDI44	HOGDI44R	1572	blastx.2	neutrophil gelatinase associated lipocalin [Homo sapiens]	emb CAA58127.1	100%	55	192
HOGDO25	HOGDO25 R	1574	blastx.2	XIAP associated factor-1 (ZAP-1) [Homo sapiens]	emb CAA68030.1	100%	2	163
HOGDO58	HOGDO58 R	1575	blastx.2	acidic ribosomal phosphoprotein (P0) [Homo sapiens]	gb AAA36470.1	65%	86	373
HOGDP10	HOGDP10 R	1576	blastx.2	keratin [Homo sapiens]	emb CAA73943.1	89%	3	287
HOGDQ95	HOGDQ95 R	1578	blastx.2	FUSE binding protein 3 [Homo sapiens]	gb AAC50893.1	90% 32% 62% 48%	70 157 390 413	435 378 461 493
HOGDR70	HOGDR70 R	1579	blastx.2	gamma subunit of CCT chaperonin [Homo sapiens]	emb CAA52808.1	83%	102	578
HOGDV93	HOGDV93 R	1580	blastx.2	glyceraldehyde 3-phosphate dehydrogenase (EC 1.2.1.12) [Homo sapiens]	gb AAA52496.1	98%	4	414
HOGEA27	HOGEA27	1581	blastx.2	cytokeratin 8 [Homo sapiens]	gb AAA35763.1	81%	2	160

	R			sapiens]					
HOGED85	HOGED85 R	1582	blastx.2	AP-3 complex beta3A subunit [Homo sapiens]	gb AAD03778.1	75%	3	482	
						85%	305	445	
						25%	6	173	
HOGEK25	HOGEK25 R	1583	blastx.2	HLA-Aw34.2 antigen [Homo sapiens]	emb CAA43874.1	91%	38	316	
HOGEN30	HOGEN30 R	1584	blastx.2	regulatory subunit RI alpha [Homo sapiens]	emb CAA01027.1	83%	140	322	
HOGEP69	HOGEP69R	1587	blastx.2	(AF056182) G-protein beta subunit [Emericella nidulans]	gb AAC33436.1	75%	83	205	
						78%	219	260	
HOGET60	HOGET60R	1588	blastx.2	Plakoglobin [Homo sapiens]	gb AAA64895.1	67%	155	367	
HOGEW58	HOGEW58 R	1590	blastx.2	focal adhesion kinase [Homo sapiens]	gb AAA35819.1	96%	4	414	
HOGEZ03	HOGEZ03R	1592	blastx.2	kinase [Homo sapiens]	emb CAA65450.1	87%	52	144	
						83%	18	53	
HOQHL68	HOQHL68 R	1601	blastx.2	ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1]	gb AAB00807.1	92%	373	543	
HOQHP84	HOQHP84 R	1602	blastx.2	(AF013215) ribosomal protein S2 [Bos taurus]	gb AAB65437.1	82%	1	156	
HOQHQ09	HOQHQ09 R	1603	blastx.2	pfxblue fusion protein [synthetic construct]	gb AAA72865.1	63%	292	423	
HOQHQ83	HOQHQ83 R	1604	blastx.2	(AB000910) ribosomal protein [Sus scrofa]	dbj BAA19210.1	100%	85	399	
HOQHR81	HOQHR81 R	1605	blastx.2	pfxblue fusion protein [synthetic construct]	gb AAA72865.1	73%	336	458	
						78%	464	505	
HOQHT13	HOQHT13	1608	blastx.2	steroid receptor TR2-11	gb AAA36761.1	95%	3	188	

HO0IA46	HO0IA46R	1610	blastx.2	[Homo sapiens] cpn10 protein [Bos taurus]	emb CAA49288.1	95%	193	264
HO0IB54	HO0IB54R	1613	blastx.2	ribosomal protein L23a [Homo sapiens]	gb AAB17510.1	75%	89	199
HO0IG71	HO0IG71R	1615	blastx.2	ribosomal protein L27 [Homo sapiens]	gb AAA19815.1	98%	2	250
HO0JN84	HO0JN84R	1624	blastx.2	IEF 7442 [Homo sapiens]	emb CAA51360.1	100%	4	189
HO0JT32	HO0JT32R	1629	blastx.2	ribosomal protein L23a [Homo sapiens]	gb AAA03341.1	76%	34	237
HO0JT65	HO0JT65R	1630	blastx.2	(A)388520) Ribosomal protein [Canis familiaris]	emb CAB46822.1	88%	43	123
HO0JY44	HO0JY44R	1636	blastx.2	human homologue of rat phosphatidylethanolami ne binding protein [Homo sapiens]	dbj BAA03684.1	100%	2	184
HO0JY80	HO0JY80R	1637	blastx.2	cytochrome b5 [Homo sapiens]	gb AAA35729.1	98%	61	462
HO0JY92	HO0JY92R	1638	blastx.2	mitochondrial matrix protein [Homo sapiens]	gb AAA60127.1	98% 91% 66% 62%	48 403 513 341	344 513 686 445
HO0KN43	HO0KN43 R	1640	blastx.2	ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1]	gb AAB00807.1	63%	124	399
HOPJF95	HOPJF95R	1643	blastx.2	nucleolar protein p40	gb AAB46731.1	91%	209	511

HOPJG60	HOPJG60R	1644	blastx.2	[Homo sapiens] (AF161386) HSPC268 [Homo sapiens]	gb AAF28946.1 AF1 61386.1	90%	130	219
HOPJG79	HOPJG79R	1646	blastx.2	prosomal P27K protein [Homo sapiens]	emb CAA42052.1	97%	3	551
HOPJH65	HOPJH65R	1650	blastx.2	C gamma 3 [Homo sapiens]	emb CAA27268.1	57%	535	594
HOPKA06	HOPKA06 R	1656	blastx.2	homeotic protein HOX4E - human	pir A42008 A42008	46%	42	476
HOPKG16	HOPKG16 R	1659	blastx.2	scar protein [Homo sapiens]	gb AAA36597.1	44%	182	460
HOPKG47	HOPKG47 R	1660	blastx.2	(AL050318) dJ977B1.5 (myosin regulatory light chain 2, smooth muscle isoform) [Homo sapiens]	emb CAB75369.1	34%	172	543
HOPKG83	HOPKG83 R	1661	blastx.2	elongation factor-1- beta [Homo sapiens]	emb CAA43019.1	100%	2	49
HOPKK38	HOPKK38 R	1662	blastx.2	(AF077539) contains similarity to human melanoma antigen p15 (GB: U19796) [Caenorhabditis elegans]	gb AAC26291.1	95%	2	655
HOPKN14	HOPKN14 R	1663	blastx.2	aldolase A (EC 4.1.3.13) [Homo sapiens]	gb AAA51690.1	98%	1	432
						98%	46	519
						83%	525	560
						99%	34	594
						50%	584	709
						84%	615	653
						34%	60	380
						61%	379	417
						100%	2	460

HOPKN67	HOPKN67 R	1664	blastx.2	17,000 dalton myosin light chain [Bos taurus]	emb CAA38722.1	94%	31	483
HOPKO04	HOPKO04 RA	1665	blastx.2	(AL137423) hypothetical protein [Homo sapiens]	emb CAB70733.1	96%	1	81
HOPKO61	HOPKO61 R	1666	blastx.2	Six5 [Mus musculus]	dbj BAA11824.1	76%	4	405
HOPKP45	HOPKP45R	1667	blastx.2	PAX8=paired-box- protein [alternatively spliced] [human, 1]	gb AAB34216.1	90% 90% 41% 35%	285 154 494 385	527 285 601 435
HOPKQ20	HOPKQ20 R	1668	blastx.2	ribosomal protein S20 [Homo sapiens]	gb AAA60286.1	82%	115	435
HOPKQ82	HOPKQ82 R	1669	blastx.2	(AF063243) ribosomal protein L30 [Bos taurus]	gb AAC16388.1	89%	28	498
HOPKR56	HOPKR56R	1670	blastx.2	unnamed protein product [Homo sapiens]	emb CAA02873.1	100%	6	173
HOPKU33	HOPKU33 R	1671	blastx.2	ribosomal protein L11 [Homo sapiens]	gb AAC15856.1	86%	5	514
HOVBK49	HOVBK49 R	1674	blastx.2	(AL080125) hypothetical protein [Homo sapiens]	emb CAB45723.1	85% 80% 75% 70% 79% 60% 73% 66% 63%	12 21 21 21 21 21 21 21 21	155 155 155 170 152 203 155 155 152

HOVBS15	HOVBS15R	1675	blastx.2	(AF105715) ubiquitous nuclear protein [Gallus gallus]	gb AAD46422.1 AF105715_1	61%	12	152
						63%	21	152
						40%	112	369
						40%	121	375
						38%	121	375
						38%	121	372
						36%	121	375
						46%	24	170
						34%	121	375
						34%	121	375
						32%	121	375
						38%	27	173
						42%	258	407
						34%	178	369
						36%	258	407
						37%	264	407
						34%	261	407
						39%	264	407
						34%	258	407
						32%	258	407
						31%	261	401
						30%	258	407
						36%	27	152
						52%	243	305
						28%	42	146
HOVBS15	HOVBS15R	1675	blastx.2	(AF105715) ubiquitous nuclear protein [Gallus gallus]	gb AAD46422.1 AF105715_1	50%	246	434
HOVBX41	HOVBX41 R	1676	blastx.2	(AF025331) receptor for activated protein	gb AAB81618.1	55%	50	109
						34%	112	249
						86%	182	319
						75%	340	399

HOVCN03	HOVCN03 R	1678	blastx.2	kinase C [Oreochromis niloticus] (AJ005798) thyroid hormone receptor alpha 2 [Sus scrofa]	emb CAA06702.1	72%	309	341
HOVCU89	HOVCU89 R	1680	blastx.2	ribosomal protein L18a - rat	pir S03957 R5RT18	72%	36	578
HOVCV33	HOVCV33 R	1681	blastx.2	alpha-smooth muscle actin [Oryctolagus cuniculus]	emb CAA43139.1	92% 50%	1 287	321 454
HOVCW45	HOVCW45 R	1682	blastx.2	(AL137585) hypothetical protein [Homo sapiens]	emb CAB70827.1	97% 100% 80% 21% 23%	2 372 463 5 35	220 464 522 196 190
HOVCZ45	HOVCZ45 R	1684	blastx.2	retrovirus-related polyprotein pseudogene - human 1	pir A44282 A44282	65% 61%	2 444	361 506
HOVDB61	HOVDB61 R	1686	blastx.2	(AF067728) transactivating protein BRIDGE [Rattus norvegicus]	gb AAD32925.1 AF067728_1	89%	91	204
HOVDB65	HOVDB65 R	1688	blastx.2	ZZ-beta-Gal' IgG-binding fusion protein [unidentified cloning 1]	gb AAB00807.1	96%	112	282
HOVDG71	HOVDG71 R	1692	blastx.2	23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	75% 81% 27%	116 3 103	226 98 210
HOVDH09	HOVDH09 R	1693	blastx.2	binding protein [Homo sapiens]	gb AAA36032.1	98% 81%	15 405	299 485

HOVDH75	HOVDH75 R	1694	blastx.2						81% 44%	316 299	381 433
HOVDV70	HOVDV70 R	1696	blastx.2				ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1 (AF151866) CGI-108 protein [Homo sapiens]	gb AAB00807.1	81%	121	297
HOVEF34	HOVEF34R	1703	blastx.2				MTHSP75 [Homo sapiens]	gb AAA67526.1	71% 90%	246 580	611 612
HOVEF81	HOVEF81R	1704	blastx.2				thyroid receptor interactor [Homo sapiens]	gb AAA73877.1	99%	49	393
HOVEL51	HOVEL51R	1707	blastx.2				cytochrome c-1 [Homo sapiens]	gb AAA52135.1	71% 77%	96 21	209 47
HOVEY58	HOVEY58 R	1712	blastx.2				ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1 Lutheran blood group glycoprotein [Homo sapiens]	gb AAB00807.1	93%	277	369
HOVJ09	HOVJ09R	1717	blastx.2					emb CAA58449.1	100%	28	576
HOVJR56	HOVJR56R	1718	blastx.2				macrophage migration inhibitory factor [Homo sapiens]	gb AAA21814.1	100%	4	186
HOVJU75	HOVJU75R	1719	blastx.2				laminin-binding protein [Homo sapiens]	gb AAA36161.1	92%	64	648
HOVJW17	HOVJW17 R	1720	blastx.2				HLA-DR-beta-A [Homo sapiens]	emb CAA00596.1	92%	95	217
HOVJY68	HOVJY68R	1721	blastx.2				23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	94% 97%	217 15	570 221

HOVKE66	HOVKE66 R	1723	blastx.2	unnamed protein product [unidentified]	emb CAB69339.1	35%	149	241
HOVKG18	HOVKG18 R	1725	blastx.2	PBG-D (aa 1-344) [Homo sapiens]	emb CAA27801.1	98%	2	487
HPAMB11	HPAMB11 R	1726	blastx.2	transformation-related protein [Homo sapiens]	gb AAA36776.1	66%	353	601
HPAMB60	HPAMB60 R	1727	blastx.2	poly(A)-binding protein [Homo sapiens]	gb AAD08718.1	80%	2	679
						41%	65	556
						31%	65	553
						38%	496	684
HPAMB93	HPAMB93 R	1729	blastx.2	heat-shock protein [Canis familiaris]	gb AA87172.1	74%	17	253
HPAMC04	HPAMC04 R	1730	blastx.2	ADP-ribosylation factor [Homo sapiens]	gb AAA57126.1	95%	231	299
HPAMC19	HPAMC19 R	1731	blastx.2	Nascent polypeptide associated complex alpha subunit [Homo sapiens]	emb CAA56869.1	50%	140	331
						94%	89	676
HPAMC27	HPAMC27 R	1732	blastx.2	protein synthesis initiation factor 4A [Mus musculus]	emb CAA40268.1	88%	64	786
						50%	746	805
HPAMC90	HPAMC90 R	1733	blastx.2	HBp15/L22 [Sus scrofa]	dbj BAA04547.1	97%	84	464
HPAMD56	HPAMD56 R	1734	blastx.2	isolog of yeast sui1 and rice gos2; putative [Homo sapiens]	gb AAA60602.1	99%	136	456
HPAME35	HPAME35 R	1735	blastx.2	amphiglycan [Homo sapiens]	emb CAA47406.1	80%	26	451

HPAMF16	HPAMF16 R	1737	blastx.2	actin [Dictyostelium discoideum]	gb AAA74186.1	45%	178	414
HPAMF38	HPAMF38 R	1738	blastx.2	(AF132970) CGI-36 protein [Homo sapiens]	gb AAD27745.1 AF1 32970.1	73%	452	520
HPAMG44	HPAMG44 R	1739	blastx.2	(AC004393) Similar to ribosomal protein L17	gb AAC18792.1	42%	619	732
HPAMG54	HPAMG54 R	1740	blastx.2	gb X62724 from 1 1 (AF039752) histone deacetylase-2; HD-2 [Gallus gallus]	gb AAB96924.1	76%	63	434
HPAMI11	HPAMI11R	1741	blastx.2	ribosomal protein S8 [Homo sapiens]	emb CAA47670.1	61%	331	612
HPAMJ71	HPAMJ71R	1742	blastx.2	ribosomal protein S7 [Homo sapiens]	emb CAA81022.1	59%	117	374
HPAMQ76	HPAMQ76 R	1744	blastx.2	23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	94%	75	389
HPAMT47	HPAMT47 R	1745	blastx.2	(AF017153) putative RNA helicase and RNA dependent ATPase [Mus musculus]	gb AAC36129.1	95%	394	516
HPAMU33	HPAMU33 R	1746	blastx.2	23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	77%	518	661
HPAMW4	HPAMW44 R	1748	blastx.2	(AC006127) BRG-1- HUMAN [AA 812- 1440]; nuclear protein GRB1; 1 1 SNF2L4	gb AAC97986.1	68%	627	701
						87%	11	592
						97%	62	397
						64%	412	609
						63%	405	494
						100%	2	190
						100%	381	509
						98%	2	493
						80%	472	600
						69%	4	354
						91%	221	358
						42%	46	159

HPAMY45	HPAMY45 R	1749	blastx.2	[Homo sapiens] (AC004908) similar to ribosomal protein L23a; similar to P29316 (PID:g132848) [Homo sapiens]	gb AAD05196.1	95% 92%	294 220	563 297
HPAMZ14	HPAMZ14 R	1750	blastx.2	triosephosphate isomerase [Rattus norvegicus]	gb AAA42278.1	93% 61%	20 508	508 600
HPAMZ15	HPAMZ15 R	1751	blastx.2	(A1006776) IF2 protein [Homo sapiens]	emb CAB44357.1	95%	3	149
HPAMZ81	HPAMZ81 R	1752	blastx.2	SP-40,40 prepropeptide (AA -22 to 427) [Homo sapiens]	emb CAA32847.1	99% 62%	3 581	599 676
HPANA05	HPANA05 R	1753	blastx.2	cell surface glycoprotein [Homo sapiens]	gb AAA36033.1	99% 61% 88%	107 466 579	487 729 605
HPANA07	HPANA07 R	1754	blastx.2	nucleolin [Homo sapiens]	gb AAA59954.1	92% 34% 58%	7 19 626	678 678 697
HPANA28	HPANA28 R	1755	blastx.2	cell surface glycoprotein [Homo sapiens]	gb AAA36033.1	100%	2	376
HPANB32	HPANB32R	1757	blastx.2	(AF078820) high mobility group protein [Spalax ehrenbergi]	gb AAC27653.2	93%	5	235
HPANE49	HPANE49R	1759	blastx.2	ribosomal protein S17 [Homo sapiens]	gb AAA60284.1	99%	8	412
HPANE52	HPANE52R	1760	blastx.2	23 kD highly basic	emb CAA40254.1	95%	13	624

HPANE87	HPANE87R	1761	blastx.2	protein [Homo sapiens] lactate dehydrogenase B [Homo sapiens]	emb CAA32033.1	82%	119	592
HPANJ67	HPANJ67R	1762	blastx.2	lipocortin II [Homo sapiens]	dbj BAA00013.1	48%	34	174
HPCOJ59	HPCOJ59R	1766	blastx.2	predicted using Genefinder; Similarity to Drosophila RNA I this gene [Caenorhabditis elegans]	emb CAB01127.1	100%	3	119
HPCOL81	HPCOL81R	1770	blastx.2	histone H2A.Z (AA 1-127) [Bos taurus]	emb CAA36554.1	32%	60	260
HPCOO90	HPCOO90R	1771	blastx.2	ribosomal protein L37a [Homo sapiens]	gb AAA60280.1	100%	36	179
HPCOO95	HPCOO95R	1772	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q16465 YZA1_HUMAN	98%	60	335
HPCOP23	HPCOP23R	1773	blastx.2	ribosomal protein [Homo sapiens]	gb AAA16105.1	100%	337	2
HPCOR52	HPCOR52R	1778	blastx.2	ZZ:beta-Gal' IgG-binding fusion protein [unidentified cloning 1]	gb AAB00807.1	88%	53	427
HPCOV35	HPCOV35R	1780	blastx.2	ZZ:beta-Gal' IgG-binding fusion protein [unidentified cloning 1]	gb AAB00807.1	94%	136	306
HPCOV41	HPCOV41R	1781	blastx.2	Csa-19 [Homo sapiens]	gb AAA86463.1	94%	244	414
HPCPD26	HPCPD26R	1784	blastx.2	alpha subunit (aa 1-394) [Bos taurus]	emb CAA27137.1	94%	54	356
						97%	3	314

HPCPH52	HPCPH52R	1788	blastx.2	antizyme inhibitor [Homo sapiens]	dbj BAA23593.1	100%	3	101
HPCPU27	HPCPU27R	1790	blastx.2	enhancer factor I chain A-D - rat	pir JC2022 JC2022	61%	3	185
HPCQT88	HPCQT88R	1797	blastx.2	integrin associated protein [Homo sapiens]	emb CAA80977.1	93% 90%	1 422	327 451
HPCQX47	HPCQX47R	1800	blastx.2	ribosomal protein L7a large subunit [Homo sapiens]	gb AAA60282.1	97% 92%	222 2	326 40
HPCTD21	HPCTD21R	1802	blastx.2	ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1]	gb AAB00807.1	96%	336	506
HPCTD23	HPCTD23R	1803	blastx.2	putative progesterone binding protein [Homo sapiens]	emb CAA73248.1	98%	2	190
HPCTD25	HPCTD25R	1804	blastx.2	ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1]	gb AAB00807.1	96%	374	544
HPCTF29	HPCTF29R	1806	blastx.2	ZZ:beta-Gal' IgG- binding fusion protein [unidentified cloning 1]	gb AAB00807.1	96%	209	379
HPCTF83	HPCTF83R	1807	blastx.2	major histocompatibility complex class II antigen beta chain, 1 Partial Mutant, 57 aa] [Homo sapiens]	gb AAB28826.1	92%	58	177
HPCTI86	HPCTI86R	1809	blastx.2	H+-ATP synthase subunit b [Homo sapiens]	emb CAA42782.1	99%	1	306

HPCTO69	HPCTO69R	1811	blastx.2	(AF042857) lung cancer antigen NY-LU-12 variant A [Homo sapiens]	gb AAC05826.1	99%	77	538
HPCTV40	HPCTV40R	1815	blastx.2	ribosomal protein L35a (aa 1-110) [Rattus norvegicus]	emb CAA27193.1	99%	48	377
HPCTV53	HPCTV53R	1816	blastx.2	8.2 kDa differentiation factor [Homo sapiens]	emb CAA56100.1	85% 91% 100%	26 138 250	148 248 318
HPCTV92	HPCTV92R	1817	blastx.2	(AL117452) hypothetical protein [Homo sapiens]	emb CAB55934.1	85%	20	205
HPCTX22	HPCTX22R	1818	blastx.2	Aop1_Human, MER5(Aop1_Mouse)-like protein [Homo sapiens]	dbj BAA08389.1	100%	1	153
HPDOF81	HPDOF81R	1822	blastx.2	2,4-dienoyl-CoA reductase [Homo sapiens]	gb AAA67551.1	95% 64%	3 229	254 342
HPDOP05	HPDOP05R	1823	blastx.2	RNA polymerase II elongation factor-like protein [Homo sapiens]	emb CAA87392.1	100%	2	412
HPDOP20	HPDOP20R	1824	blastx.2	MHC HLA-DR-beta chain precursor old gene name 'HLA-DRA1' [Homo sapiens]	gb AAA59831.1	84%	45	542
HPDOS87	HPDOS87R	1825	blastx.2	40S ribosomal protein S14 [Podocoryne carnea]	emb CAA50506.1	95% 54% 91%	84 14 209	209 85 244

HPDOU54	HPDOU54 R	1826	blastx.2	N-acetyl-beta-glucosaminidase prepro-polypeptide [Homo sapiens]	gb AAA51828.1	54%	1	66
HPDOZ43	HPDOZ43R	1827	blastx.2	tripeptidyl peptidase II [Homo sapiens]	gb AAA63263.1	94%	64	489
HPDPC90	HPDPC90R A	1829	blastx.2	(AF073298) small EDRK-rich factor 2 [Homo sapiens]	gb AAC63516.1	98%	318	485
HPDPH14	HPDPH14R	1830	blastx.2	Q1Z 7F5 [Homo sapiens]	gb AAA36021.1	92% 87%	121 87	291 110
HPDPQ16	HPDPQ16R	1835	blastx.2	ZZ:beta-Gal' IgG-binding fusion protein [unidentified cloning 1]	gb AAB00807.1	52%	349	519
HPDPR73	HPDPR73R	1836	blastx.2	(AJ010046) guanine nucleotide-exchange factor [Homo sapiens]	emb CAA08974.1	94%	131	460
HPDPS51	HPDPS51R	1837	blastx.2	(AF053356) ORF3, splicevariantc [Homo sapiens]	gb AAC78797.1	76%	2	214
HPDPS90	HPDPS90R	1838	blastx.2	(AB021643) gonadotropin inducible transcription repressor-3 [Homo sapiens]	dbj BAA86989.1	42% 36% 36% 32% 37% 48% 57% 60% 42%	128 125 125 155 292 325 325 325 325	337 319 319 319 399 402 387 384 402

HPDPX12	HPDPX12R P00B	1841	blastx.2		ribosomal protein S17 [Homo sapiens]	gb AAA60284.1	32%	390	518
HPDPY83	HPDPY83R P00B	1842	blastx.2		prothymosin alpha [Homo sapiens]	gb AAA60213.1	96%	199	393
HPDQC34	HPDQC34R	1843	blastx.2		(AF038129) polyubiquitin [Ovis aries]	gb AAB92373.1	95%	7	642
							94%	7	642
							97%	7	453
							94%	226	642
							64%	639	689
							61%	639	692
							61%	639	692
HPDQH11	HPDQH11 R	1845	blastx.2		ribosomal protein L37a [Homo sapiens]	gb AAA60280.1	100%	68	334
HPDQH34	HPDQH34 R	1846	blastx.2		(AF115850) PAR protein [Homo sapiens]	gb AAD09822.1	73%	3	371
							94%	345	494
							85%	226	267
							41%	178	240
HPDQI50	HPDQI50R	1847	blastx.2		succinate dehydrogenase flavoprotein subunit [Homo sapiens]	gb AAA20683.1	99%	18	539
HPDQI55	HPDQI55R	1848	blastx.2		(AL022577) dl353H6.2.2 (SW1/SNF related, matrix associated, 1 (SNF2L1))	emb CAA18608.1	96%	1	441

HPDQR20	HPDQR20R	1851	blastx.2	(PUTATIVE isoform 2) [Homo sapiens] RNA polymerase II 140 kDa subunit. [Homo sapiens]	emb CAA45124.1	91% 60%	10 555	639 761
HPDQR88	HPDQR88R	1852	blastx.2	similar to putative ATP-dependent RNA helicase K03H1.2 of C.elegans(S41025) [Homo sapiens]	dbj BAA13213.1	90% 80%	2 555	550 584
HPDQS25	HPDQS25R	1854	blastx.2	Cctg [Xenopus laevis]	emb CAA59350.1	85% 72%	4 258	264 410
HPDQT32	HPDQT32R	1858	blastx.2	neuroleukin [Homo sapiens]	gb AAA36368.1	100%	3	410
HPDQU81	HPDQU81 R	1859	blastx.2	(AF068227) putative transmembrane protein [Homo sapiens]	gb AAC27614.1	98%	3	269
HPDQV07	HPDQV07 R	1860	blastx.2	ribosomal protein S7 [Homo sapiens]	emb CAA81022.1	71%	35	574
HPDQW39	HPDQW39 R	1862	blastx.2	(AF133093) ARD-1 N- acetyltransferase homologue [Mus musculus]	gb AAF22155.1 AF1 33093_10	100% 70%	113 466	466 705
HPDQX13	HPDQX13 R	1863	blastx.2	Histone H3 [Asparagus officinalis]	emb CAA57811.1	72%	119	337
HPDQY23	HPDQY23 R	1864	blastx.2	DNA binding protein [Homo sapiens]	emb CAB10847.1	97%	3	443
HPDQZ65	HPDQZ65R	1869	blastx.2	(AF199488) beta-actin [Coturnix coturnix]	gb AAF13710.1 AF1 99488_1	100% 63%	3 446	443 694

HPDRA44	HPDRA44R	1870	blastx.2	japonica] interferon regulatory factor 7 [Mus musculus]	gb AAB18626.1	72% 45%	4 362	240 559
HPDRA50	HPDRA50R	1871	blastx.2	actin [Diadromus pulchellus]	emb CAA62806.1	75%	16	189
HPDRF65	HPDRF65R	1872	blastx.2	ribosomal protein L8 [Homo sapiens]	emb CAA82248.1	58% 95% 50%	281 21 505	748 236 753
HPDRG73	HPDRG73R	1874	blastx.2	Ran [Canis familiaris]	emb CAA77980.1	94% 84%	50 451	460 528
HPDRM93	HPDRM93 R	1876	blastx.2	ribosomal protein L37 [Homo sapiens]	dbj BAA04888.1	86%	12	302
HPDRO04	HPDRO04R	1877	blastx.2	ribosomal protein L37 [Homo sapiens]	dbj BAA04888.1	100%	17	307
HPDRP36	HPDRP36R	1879	blastx.2	GLI-Krupple related protein [Homo sapiens]	gb AAA59467.1	100% 37% 78%	30 36 304	317 260 372
HPDRP41	HPDRP41R	1880	blastx.2	UHX1 protein [Homo sapiens]	gb AAC50450.1	88%	2	739
HPDRQ66	HPDRQ66R	1881	blastx.2	ribosomal protein [Homo sapiens]	emb CAA81488.1	91%	81	290
HPDRQ84	HPDRQ84R	1882	blastx.2	Nascent polypeptide associated complex alpha subunit [Homo sapiens]	emb CAA56869.1	79%	4	555
HPDRR71	HPDRR71R	1883	blastx.2	(AF081484) alpha- tubulin isoform 1 [Homo sapiens]	gb AAC31959.1	98% 100%	16 381	390 422

HPDRS46	HPDRS46R	1885	blastx.2	(AF195094) gamma actin-like protein [Mus musculus]	gb AAF08293.1 AF1 95094_1	98% 69%	15 301	299 369
HPDRS87	HPDRS87R	1886	blastx.2	peptidylprolyl isomerase [Homo sapiens]	emb CAA37039.1	100%	14	508
HPDRT37	HPDRT37R	1888	blastx.2	leukocyte antigen F [Homo sapiens]	emb CAA34947.1	60%	3	560
HPDRU03	HPDRU03R	1890	blastx.2	(AL021366) cICK0721Q.4.1 (PHD finger protein 2) (isoform 2) [Homo sapiens]	emb CAA16159.1	98% 90%	59 247	244 276
HPDRU37	HPDRU37R	1891	blastx.2	HLA-A9HH antigen [Homo sapiens]	dbj BAA11936.1	96%	1	231
HPDRV73	HPDRV73R	1893	blastx.2	vimentin [Homo sapiens]	gb AAA61279.1	90%	4	573
HPDRW09	HPDRW09 R	1895	blastx.2	MHC HLA-DR2(non- Dw2/non-Dw12)a glycoprotein beta-chain [Homo sapiens]	gb AAA36278.1	95%	1	222
HPDRY37	HPDRY37R	1897	blastx.2	type XVI collagen alpha 1 chain, alpha 1 (XVI) [human, 1]	gb AAB25797.1	64% 88% 50% 50% 48% 48% 52% 50% 44%	2 310 310 307 310 310 307 310 286	598 516 522 516 522 522 489 486 522

							46%	310	498
							45%	280	492
							42%	295	504
							46%	310	498
							46%	310	522
							42%	295	516
							53%	310	492
							44%	310	507
							45%	310	522
							48%	310	522
							44%	280	489
							46%	310	522
							47%	295	489
							59%	310	450
							46%	310	522
							31%	2	307
							47%	310	477
							43%	310	498
							40%	280	492
							47%	304	510
							37%	14	304
							48%	310	507
							44%	289	498
							40%	310	522
							43%	280	456
							46%	310	498
							42%	295	492
							46%	316	486
							65%	2	88
							62%	2	88

							43%	310	453
							41%	307	498
							64%	5	88
							58%	2	88
							41%	307	486
							62%	2	88
							43%	319	489
							61%	212	304
							40%	310	486
							54%	2	91
							44%	197	304
							42%	370	492
							30%	212	520
							31%	212	520
							58%	2	88
							58%	2	88
							48%	206	310
							58%	2	88
							55%	5	91
							43%	373	492
							45%	212	316
							55%	2	88
							56%	2	91
							38%	310	486
							32%	310	492
							50%	209	304
							38%	188	319
							57%	5	88
							54%	2	88
							57%	5	88

							57%	5	88
							58%	5	88
							55%	2	88
							55%	5	91
							51%	5	88
							55%	209	295
							48%	188	286
							53%	2	88
							51%	2	88
							54%	212	304
							48%	212	304
							55%	2	88
							55%	2	88
							55%	5	91
							50%	2	91
							46%	209	304
							41%	188	304
							45%	194	319
							48%	5	91
							42%	185	310
							51%	2	82
							45%	2	91
							47%	2	100
							41%	194	304
							51%	5	91
							46%	209	304
							40%	200	319
							36%	179	310
							55%	2	88
							47%	403	522

							46%	209	304
							44%	197	304
							53%	5	88
							50%	5	88
							51%	2	88
							41%	200	310
							53%	5	88
							44%	2	91
							53%	5	91
							45%	212	304
							48%	209	307
							54%	5	91
							48%	212	304
							45%	209	307
							53%	5	88
							45%	212	310
							42%	212	319
							51%	2	91
							43%	209	304
							45%	212	310
							47%	206	313
							46%	206	304
							40%	188	304
							48%	2	88
							53%	5	88
							53%	5	88
							48%	2	88
							46%	2	91
							50%	5	88
							42%	185	304

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304	212	41%					
304	212	41%					
304	209	40%					
88	2	48%					
91	5	44%					
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91	2	48%					
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307	209	45%					
304	209	43%					
304	206	45%					
310	209	41%					
307	200	41%					
76	5	54%					
79	14	52%					
88	2	48%					
88	5	50%					
88	5	50%					
304	212	41%					
304	203	42%					
319	212	38%					
88	5	50%					
97	5	45%					
304	209	45%					
304	188	38%					
310	188	36%					
91	23	52%					

							48%	2	88
							48%	2	88
							48%	212	304
							41%	212	304
							38%	188	304
							52%	14	88
							44%	2	88
							51%	5	88
							41%	188	304
							40%	209	304
							40%	212	307
							40%	212	307
							48%	236	310
							41%	212	304
							40%	209	304
							37%	185	304
							35%	185	304
							53%	23	88
							46%	5	88
							54%	23	88
							50%	203	283
							44%	2	88
							41%	212	304
							43%	209	304
							61%	32	88
							51%	23	88
							50%	5	79
							41%	5	91
							40%	197	304
							50%	2	67

						91
					5	283
					188	88
					2	73
					5	310
					212	366
					310	274
					209	292
					212	304
					212	304
					212	595
					488	509
					432	67
					2	256
					200	67
					2	88
					5	506
					456	64
					2	532
					485	497
					399	520
					488	532
					488	532
					488	494
					429	532
					491	562
					488	522
					451	271
					188	520
					488	520
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					63%	

								40%	488	553
								63%	488	520
								50%	488	535
								44%	491	544
								42%	476	532
								37%	432	509
								40%	282	1
								31%	321	49
								32%	584	273
								40%	503	279
								36%	521	303
								42%	521	303
								60%	81	22
								53%	81	4
								53%	81	4
								44%	81	1
								55%	78	1
								50%	78	1
								56%	75	1
								48%	81	1
								53%	78	1
								52%	75	1
								48%	75	1
								42%	81	4
								44%	534	481
HPDRZ11	HPDRZ11R	1898	blastx.2	(AF012086) Ran. binding protein 2 [Homo sapiens]	gb AAC05596.1		98%	67	351	
							48%	34	339	
							60%	347	640	
							50%	486	746	
							46%	637	717	

HPDRZ29	HPDRZ29R	1899	blastx.2	Lsc homologue [Homo sapiens]	emb CAA70356.1	50%	496	537
HPDVA01	HPDVA01R	1900	blastx.2	(AF153685) truncated calcium binding protein [Homo sapiens]	gb AAD51611.1 AF153685_1	60% 35%	3 106	650 651
HPDVA06	HPDVA06R	1901	blastx.2	proteasome subunit HsN3 [Homo sapiens]	dbj BAA05647.1	87% 66%	243 525	359 641
HPDVB70	HPDVB70R	1903	blastx.2	Ig mu chain C region, membrane-bound splice form - human	pir S16510 MHHUM	93% 26%	92 11	820 706
HPDVC28	HPDVC28R	1904	blastx.2	retrovirus-related polypeptide pseudogene - human 1	pir A44282 A44282	84%	62	436
HPDVG06	HPDVG06R	1906	blastx.2	immunoglobulin M heavy chain [Homo sapiens]	emb CAA47708.1	99%	3	326
HPDVI25	HPDVI25R	1908	blastx.2	APEX nuclease [Homo sapiens]	dbj BAA02633.1	83% 50%	94 334	417 633
HPDVI95	HPDVI95R	1909	blastx.2	(AF067370) cytoplasmic dynein light chain; Tctex-1 [Bos taurus]	gb AAC39268.1	100%	3	338
HPDVK79	HPDVK79R	1911	blastx.2	TRANSCRIPTION FACTOR BTF3 (RNA POLYMERASE B TRANSCRIPTION 1	sp Q64152 BTF3_MOUSE	77%	61	570
HPDVK93	HPDVK93R	1912	blastx.2	ribosomal protein L18a - rat	pir S03957 R5RT18	89%	116	634

HPDVL45	HPDVL45R	1914	blastx.2	cell cycle checkpoint control protein [Homo sapiens]	gb AAB39928.1	100%	4	303
HPDVL52	HPDVL52R	1915	blastx.2	hNop56 [Homo sapiens]	emb CAA72789.1	98% 56% 60% 29% 27% 31% 29% 28%	96 269 418 409 418 326 418 460	293 625 660 561 546 439 570 630
HPDVM61	HPDVM61R	1916	blastx.2	(AF123880) gag polypeptide [multiple sclerosis associated retrovirus element]	gb AAD48374.1	44%	5	268
HPDVM63	HPDVM63R	1917	blastx.2	(AF019036) human IgG1 neutralizing heavy chain with leader 1	gb AAF21613.1	97%	1	573
HPDVM86	HPDVM86R	1918	blastx.2	gamma-interferon-inducible protein precursor [Homo sapiens]	gb AAA36105.1	91% 100%	35 4	406 51
HPDVO67	HPDVO67R	1919	blastx.2	(AC005954) ZO-3 [Homo sapiens]	gb AAC72274.1	96% 84% 67% 41%	1 188 396 334	189 394 521 549
HPDVT37	HPDVT37R	1923	blastx.2	JUN-D protein [Mus musculus]	gb AAA39345.1	54% 78%	16 240	231 281
HPDVU28	HPDVU28	1924	blastx.2	protein phosphatase 2C	emb CAA74245.1	96%	163	693

	R			gamma [Homo sapiens]				
HPDVU72	HPDVU72 R	1925	blastx.2	similar to the Drosophila splicing regulator, 1 [Homo sapiens]	gb AAA19604.1	100% 37%	3 51	497 434
HPDVU88	HPDVU88 R	1926	blastx.2	glutathione peroxidase [Homo sapiens]	gb AAA67540.1	91% 72%	51 595	599 648
HPDVV78	HPDVV78 R	1927	blastx.2	keratin 18 [Homo sapiens]	gb AAA59461.1	66% 85%	129 2	638 124
HPDWA88	HPDWA88 R	1929	blastx.2	calcium binding protein [Homo sapiens]	dbj BAA23325.1	94%	168	473
HPDWC30	HPDWC30 R	1931	blastx.2	GlcNac-1-P transferase [Homo sapiens]	emb CAB04787.1	85%	285	404
HPDWD67	HPDWD67 R	1934	blastx.2	open reading frame (458 AA) [Homo sapiens]	emb CAA36054.1	79%	319	14
HPDWD69	HPDWD69 R	1935	blastx.2	ribosomal protein S26 [Homo sapiens]	gb AAC26987.1	100%	9	353
HPDWD81	HPDWD81 R	1936	blastx.2	HLA-DRB4*0103 [Homo sapiens]	emb CAB06483.1	99% 63% 75% 44%	4 333 479 460	330 593 526 513
HPDWE11	HPDWE11 R	1937	blastx.2	polyadenylate binding protein [Homo sapiens]	gb AAB97309.1	82%	2	121
HPDWF93	HPDWF93 R	1939	blastx.2	Nascent polypeptide associated complex alpha subunit [Homo sapiens]	emb CAA56869.1	91%	16	483
HPDWL56	HPDWL56	1941	blastx.2	complement factor B	gb AAA16820.1	96%	83	379

	R			[Homo sapiens]					
HPDWN46	HPDWN46 R	1943	blastx.2	p67 myc protein [Homo sapiens]	dbj BAA01374.2	89% 38%	660 83	770 145	
HPDWN65	HPDWN65 R	1944	blastx.2	ribosomal protein S6 [Homo sapiens]	gb AAA60287.1	100% 66%	4 468	468 566	
HPDWN69	HPDWN69 R	1945	blastx.2	cell surface glycoprotein [Homo sapiens]	gb AAA36033.1	73% 88%	77 3	379 95	
HPDWO50	HPDWO50 R	1948	blastx.2	5S ribosomal protein [Mus musculus]	emb CAA73041.1	98% 66% 45%	54 379 416	377 528 535	
HPDWO61	HPDWO61 R	1949	blastx.2	(AL049783) hypothetical protein [Homo sapiens]	emb CAB42441.1	97%	44	343	
HPDWO82	HPDWO82 R	1950	blastx.2	cpn10 protein [Bos taurus]	emb CAA49288.1	100%	37	342	
HPDWS61	HPDWS61 R	1951	blastx.2	unknown product specific to adipose tissue [Homo sapiens]	dbj BAA08226.1	97%	94	321	
HPDWT55	HPDWT55 R	1952	blastx.2	alanine aminotransferase [Homo sapiens]	dbj BAA01186.1	100%	3	503	
HPDWT56	HPDWT56 R	1953	blastx.2	(AF033095) testis enhanced gene transcript protein [Homo 1]	gb AAB87479.1	89% 100% 83%	66 620 697	650 694 750	
HPDWU47	HPDWU47 R	1954	blastx.2	90-kDa heat shock protein [Sus scrofa]	gb AAC48718.1	93% 62%	58 662	678 757	

HPDWU55	HPDWU55 R	1955	blastx.2	protein disulfide isomerase-related protein (PDIR) [Homo sapiens]	dbj BAA08451.1	94% 37% 27%	1 1 1	726 624 636
HPDWU60	HPDWU60 R	1956	blastx.2	(AF151063) HSPC229 [Homo sapiens]	gb AAF36149.1 AF1 51063 1	93% 80%	176 598	565 657
HPDWU63	HPDWU63 R	1957	blastx.2	cytokeratin 15 (AA 1 - 456) [Homo sapiens]	emb CAA30535.1	100%	2	370
HSCPJ17	HSCPJ17R	1962	blastx.2	(AL031670) dJ681N20.2 (similar to FTLL1(ferritin, light 1 ATPase 6 [Homo sapiens]	emb CAB43181.1	97% 88%	260 405	403 485
HSDIA22	HSDIA22R	1963	blastx.2	ATPase 6 [Homo sapiens]	emb CAA24031.1	77% 87% 47%	123 2 238	308 121 306
HSDIX73	HSDIX73R	1965	blastx.2	NADH dehydrogenase subunit 4L [Homo sapiens]	dbj BAA07296.1	86% 100%	2 178	175 258
HSDZJ21	HSDZJ21R	1968	blastx.2	cytochrome-c oxidase (EC 1.9.3.1) chain I - western lowland 1	pir C59153 C59153	82%	1	105
HSIFF84	HSIFF84R	1969	blastx.2	(AK002129) unnamed protein product [Homo sapiens]	dbj BAA92096.1	78%	143	6
HSKJR50	HSKJR50R	1970	blastx.2	translation initiation factor 3 47 kDa subunit [Homo sapiens]	gb AAD03467.1	86% 98% 50% 49% 45%	2 2 169 11 342	337 289 498 247 566
HSLHT27	HSLHT27R	1971	blastx.2	URF A6L (NADH dehydrogenase subunit)	emb CAA24030.1	80% 66%	2 2	139 121

HSODB16	HSODB16R	1972	blastx.2	[Homo sapiens] cytochrome oxidase subunit II [Homo sapiens]	gb AAA20843.1	93%	1	651
HSPSB24	HSPSB24R	1973	blastx.2	(AF076191) gamma- actin [Trichosurus vulpecula]	gb AAC26520.1	90%	61	732
HSPSB70	HSPSB70R	1974	blastx.2	BBC1 [Homo sapiens]	emb CAA45963.1	100%	3	539
HSPSB74	HSPSB74R	1975	blastx.2	WT1 [Xenopus laevis]	dbj BAA11522.1	98%	1	162
HSPSB80	HSPSB80R	1976	blastx.2	unc-18homologue [Homo sapiens]	dbj BAA19482.1	92%	2	691
HSPSC30	HSPSC30R	1977	blastx.2	cell surface glycoprotein [Homo sapiens]	gb AAA36033.1	91% 83% 100%	124 4 309	318 180 374
HSPSE86	HSPSE86R	1978	blastx.2	(AF161507) HSPC158 [Homo sapiens]	gb AAF29122.1 AF1 61507_1	91% 62% 54%	3 302 477	338 667 626
HSPSG03	HSPSG03R	1979	blastx.2	protein phosphatase 2A 65 kDa regulatory subunit, alpha isoform [Sus scrofa]	emb CAA84414.1	100%	3	191
HSPSG13	HSPSG13R	1980	blastx.2	protein p68 (AA 1-614) [Homo sapiens]	emb CAA33751.1	95% 76%	221 738	739 788
HSPSG42	HSPSG42R	1981	blastx.2	(AF056490) cAMP- specific phosphodiesterase 8A [Homo sapiens]	gb AAC39763.1	98%	3	554
HSPSG50	HSPSG50R	1982	blastx.2	(AB036829) skeletal muscle and kidney	dbj BAA92340.1	80%	132	578

					enriched inositol phosphatase [Homo sapiens]						
HSPSG89	HSPSG89R	1983	blastx.2		(AF081484) alpha- tubulin isoform 1 [Homo sapiens]	gb AAC31959.1	97% 66%	106 629	645 700		
HSPSH39	HSPSH39R	1984	blastx.2		(AB015610) ribosomal protein S4X [Chlorocebus aethiops]	dbj BAA36501.1	87%	68	772		
HSPSH41	HSPSH41R	1985	blastx.2		SP-40,40 prepropeptide (AA -22 to 427) [Homo sapiens]	emb CAA32847.1	94% 95% 69%	129 367 480	404 498 683		
HSPSH49	HSPSH49R	1986	blastx.2		ribosomal protein S6 [Homo sapiens]	gb AAA60289.1	83%	96	821		
HSPSI65	HSPSI65R	1987	blastx.2		ribosomal protein L5 [Homo sapiens]	gb AAA85654.1	89%	3	755		
HSPSJ71	HSPSJ71R	1988	blastx.2		medium tumor antigen- associated 61-kD protein [Homo sapiens]	gb AAA35531.1	91% 54%	2 660	346 749		
HSPSJ72	HSPSJ72R	1989	blastx.2		BST-2 [Homo sapiens]	dbj BAA05679.1	92% 98% 50%	97 410 561	432 592 632		
HSPSQ22	HSPSQ22R	1990	blastx.2		UbchH5C [Homo sapiens]	gb AAA91461.1	100%	7	339		
HSPSQ57	HSPSQ57R	1991	blastx.2		(AF044671) MM46 [Homo sapiens]	gb AAD02337.1	100%	16	327		
HSPSY67	HSPSY67R	1992	blastx.2		MITOGEN- ACTIVATED PROTEIN KINASE 3	sp P27361 MK03_H UMAN	99% 51% 47%	2 385 402	385 537 545		

HSPSZ69	HSPSZ69R	1993	blastx.2	(EC 2.7.1.-) 1 1 1 unnamed protein product [unidentified]	emb CAB69291.1	98%	2	283
HSPTA57	HSPTA57R	1994	blastx.2	scar protein [Homo sapiens]	gb AAA36597.1	90%	285	317
HSPTN57	HSPTN57R	1995	blastx.2	(AB015610) ribosomal protein S4X [Chlorocebus aethiops]	dbj BAA36501.1	64%	337	735
						100%	318	338
HSSDM17	HSSDM17 R	1996	blastx.2	(AL137714) hypothetical protein [Homo sapiens]	emb CAB70887.1	55%	2	157
						37%	178	360
HTLCU84	HTLCU84R	2001	blastx.2	RNA polymerase II elongation factor-like protein [Homo sapiens]	emb CAA87392.1	53%	356	400
						71%	185	541
HTSHG06	HTSHG06R	2002	blastx.2	URF 2 (NADH dehydrogenase subunit) [Homo sapiens]	emb CAA24027.1	87%	107	364
						94%	1	105
HULAP70	HULAP70R	2005	blastx.2	cytochrome c oxidase subunit VIII precursor [Homo sapiens]	gb AAA99313.1	100%	251	349
HUSGA11	HUSGA11 R	2006	blastx.2	carbonate dehydratase [Homo sapiens]	emb CAA59331.1	63%	220	471
HUVFA39	HUVFA39 R	2009	blastx.2	extensin [Volvox carteri]	emb CAA46283.1	100%	183	218
HVCAA31	HVCAA31 R	2010	blastx.2	myosin regulatory light chain [Homo sapiens]	gb AAA67367.1	34%	460	92
						34%	436	8
HVCAA37	HVCAA37 R	2011	blastx.2	complement factor B [Homo sapiens]	gb AAA16820.1	98%	103	618
						96%	322	687
HVCAA94	HVCAA94	2013	blastx.2	F-1-ATPase beta-	gb AAA30395.1	88%	3	137
						95%	1	435

	R				subunit precursor [Bos taurus]			50%	440	643
HVCAB02	HVCAB02	2014	blastx.2		calcyphosine [Homo sapiens]	emb CAA66609.1		100%	489	512
HVCAB03	HVCAB03	2015	blastx.2		40S ribosomal protein S12 [Sus scrofa]	emb CAA55946.1		76% 67%	128 486	703 644
HVCAB18	HVCAB18	2016	blastx.2		human homolog of DnaJ protein [Homo sapiens]	dbj BAA02656.1		92% 88%	386 133	664 288
HVCAB52	HVCAB52	2018	blastx.2		human homologue of rat ribosomal protein L9' [Homo sapiens]	dbj BAA03401.1		89%	60	794
HVCAB57	HVCAB57	2019	blastx.2		glyceraldehyde 3-phosphate dehydrogenase (EC 1.2.1.12) [Homo sapiens]	gb AAA52496.1		98% 70%	1 330	333 524
HVCAB88	HVCAB88	2020	blastx.2		(AL022721) dJ109F14.2 (60S Ribosomal Protein RPL10A) [Homo sapiens]	emb CAB38627.1		99%	89	739
HVCAC42	HVCAC42	2021	blastx.2		diphtheria toxin receptor associated protein [Chlorocebus aethiops]	dbj BAA01569.1		67% 86% 38%	184 119 305	414 184 430
HVCAD52	HVCAD52	2022	blastx.2		translin [Homo sapiens]	emb CAA55341.1		72%	19	291
HVCAE01	HVCAE01	2023	blastx.2		laminin-binding protein [Homo sapiens]	gb AAA36161.1		99% 47%	64 633	606 758

HVCAE15	HVCAE15 R	2024	blastx.2	lymphocyte antigen [Homo sapiens]	gb AAA59705.1	91%	3	695
HVCAE22	HVCAE22 R	2025	blastx.2	proteasome subunit C2 [Homo sapiens]	dbj BAA00656.1	97%	86	487
HVCAE56	HVCAE56 R	2026	blastx.2	complement component C3 [Homo sapiens]	gb AAA85332.1	90%	489	554
HVCAE56	HVCAE56 R	2026	blastx.2	complement component C3 [Homo sapiens]	gb AAA85332.1	74%	75	707
HVCAG56	HVCAG56 R	2027	blastx.2	ribosomal protein L7 [Homo sapiens]	emb CAA37139.1	99%	3	551
HVCAH03	HVCAH03 R	2029	blastx.2	(AF030249) putative dienoyl-CoA isomerase [Homo sapiens]	gb AAB86485.1	96%	63	599
HVCAH03	HVCAH03 R	2029	blastx.2	(AF030249) putative dienoyl-CoA isomerase [Homo sapiens]	gb AAB86485.1	62%	577	657
HVCAH17	HVCAH17 R	2030	blastx.2	precursor [Homo sapiens]	emb CAA68392.1	90%	1	294
HVCAH56	HVCAH56 R	2031	blastx.2	ribosomal protein L3 [Homo sapiens]	emb CAA51839.1	92%	299	340
HVCAI08	HVCAI08R	2032	blastx.2	(AF008304) protein inhibitor of neuronal nitric oxide synthase [Oryctolagus cuniculus]	gb AAC32530.1	97%	3	407
HVCAI08	HVCAI08R	2032	blastx.2	(AF008304) protein inhibitor of neuronal nitric oxide synthase [Oryctolagus cuniculus]	gb AAC32530.1	100%	130	375
HVCAI79	HVCAI79R	2034	blastx.2	sortilin [Homo sapiens]	emb CAA66904.1	80%	2	559
HVCAJ27	HVCAJ27R	2035	blastx.2	(AK000449) unnamed protein product [Homo sapiens]	dbj BAA91172.1	99%	88	537
HVCAJ81	HVCAJ81R	2036	blastx.2	(AB036060) ubiquitin [Oncorhynchus mykiss]	dbj BAA88568.1	100%	97	405
HVCAJ95	HVCAJ95R	2037	blastx.2	(AF073298) small EDRK-rich factor 2	gb AAC63516.1	81%	404	469
HVCAJ95	HVCAJ95R	2037	blastx.2	(AF073298) small EDRK-rich factor 2	gb AAC63516.1	100%	34	210

HVCAK02	HVCAK02 R	2038	blastx.2	[Homo sapiens] hnRNP-E2 [Homo sapiens]	emb CAA55015.1	89% 90%	90 3	467 92
HVCAL06	HVCAL06 R	2039	blastx.2	23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	96% 30% 39%	3 302 432	308 559 554
HVCAO17	HVCAO17 R	2040	blastx.2	Nm23 protein [Homo sapiens]	emb CAA35621.1	70%	4	531
HVCAO63	HVCAO63 R	2041	blastx.2	similar to tubulin alpha-2 chain [Caenorhabditis elegans]	emb CAA85463.1	76% 72% 47%	82 269 342	276 322 410
HVCAP89	HVCAP89R	2042	blastx.2	CTP synthetase homolog [Mus musculus]	gb AAB17729.1	83% 67% 29% 80%	69 509 520 681	512 643 669 710
HVCAQ53	HVCAQ53 R	2043	blastx.2	RPS16 [Homo sapiens]	gb AAA60583.1	100%	43	480
HVCAR87	HVCAR87 R	2045	blastx.2	glyceraldehyde 3-phosphate dehydrogenase (EC 1.2.1.12) [Homo sapiens]	gb AAA52496.1	74%	54	536
HVCAS08	HVCAS08R	2046	blastx.2	triose-phosphate isomerase [Pan troglodytes]	gb AAA35438.1	74% 55%	77 609	796 803
HVCAS52	HVCAS52R	2047	blastx.2	proteasome subunit C8 [Homo sapiens]	dbj BAA00659.1	94%	1	579
HVCAU64	HVCAU64	2049	blastx.2	23 kD highly basic	emb CAA40254.1	97%	57	401

	R			protein [Homo sapiens] (AK000385) unnamed protein product [Homo sapiens]					
HVCBD18	HVCBD18 R	2050	blastx.2			dbj BAA91131.1	59%	396	196
HVCBE76	HVCBE76R	2051	blastx.2	ribosomal protein L27 [Homo sapiens]		gb AAA19815.1	80%	24	431
HVCBF38	HVCBF38R	2053	blastx.2	neurofibromatosis type 1 protein [Homo sapiens]		gb AAA74897.1	85% 41% 71% 42% 88%	6 274 483 517 452	236 636 524 594 478
HVCBF89	HVCBF89R	2054	blastx.2	23 kD highly basic protein [Homo sapiens]		emb CAA40254.1	78% 70% 50%	41 666 590	325 725 679
HVCBG01	HVCBG01 R	2055	blastx.2	(AF184170) elongation factor 1-alpha [Sparus aurata]		gb AAD56406.1 AF1 84170_1	96% 37% 47% 40%	43 300 353 553	237 572 535 627
HVCBQ31	HVCBQ31 R	2056	blastx.2	23 kD highly basic protein [Homo sapiens]		emb CAA40254.1	90% 53% 45% 43%	65 327 328 482	343 647 663 559
HVCCA08	HVCCA08 R	2057	blastx.2	neurofibromatosis type- 1-GTPase activating- protein type III [Mus musculus]		dbj BAA06395.1	60%	23	256
HVCCK34	HVCCK34 R	2058	blastx.2	23 kD highly basic protein [Homo sapiens]		emb CAA40254.1	99%	94	696
HVCCV93	HVCCV93 R	2060	blastx.2	AICAR formyltransferase/IMP		gb AAA97405.1	92% 58%	206 454	454 648

					cyclohydrolase bifunctional enzyme [Homo sapiens]			59%	564	674
HVCDD19	HVCDD19 R	2062	blastx.2		1-8U [Homo sapiens]		emb CAA40626.1	98%	61	459
HVCDF50	HVCDF50R	2063	blastx.2		similar to mouse Int-6 [Homo sapiens]		gb AAB58251.1	95% 63%	3 343	341 618
HVCDH77	HVCDH77 R	2064	blastx.2		3-methyl-adenine DNA glycosylase [Homo sapiens]		emb CAA93540.1	98%	2	640
HVVAB37	HVVAB37 R	2066	blastx.2		Ig mu chain C region - dog		pir A93131 MHDG	39% 40% 39% 65% 38%	215 78 61 2 294	700 401 267 61 347
HVVAC18	HVVAC18 R	2067	blastx.2		(AF035421) glyceraldehyde 3- phosphate dehydrogenase [Ovis 1]		gb AAB88484.1	47%	59	379
HVVAE73	HVVAE73 R	2069	blastx.2		(A1001612) L-3- phosphoserine- phosphatase homologue [Homo sapiens]		emb CAA04865.1	91%	111	326
HVVAH91	HVVAH91 R	2071	blastx.2		(AL050109) hypothetical protein [Homo sapiens]		emb CAB43277.1	87%	54	245
HVVAI03	HVVAI03R	2072	blastx.2		ribosomal protein L31 (AA 1-125) [Homo sapiens]		emb CAA34066.1	98% 88% 61%	32 303 7	304 383 45

HVVAJ23	HVVAJ23R	2073	blastx.2	immunoglobulin lambda-chain [Homo sapiens]	gb AAA02915.1	80%	9	563
HVVAK46	HVVAK46 R	2077	blastx.2	v-fos transformation effector protein [Homo sapiens]	gb AAA58487.1	96% 61%	3 707	746 769
HVVAK85	HVVAK85 R	2079	blastx.2	unnamed protein product [unidentified]	emb CAA03726.1	94%	14	370
HVVAL81	HVVAL81 R	2080	blastx.2	phospholipase A2 [synthetic construct]	emb CAA01645.1	81%	157	471
HVVAS27	HVVAS27 RP00B	2082	blastx.2	ribosomal protein S17 [Homo sapiens]	gb AAA60284.1	99%	9	413
HVVAW2 6	HVVAW26 R	2083	blastx.2	23 kD highly basic protein [Homo sapiens]	emb CAA40254.1	74% 56% 78%	7 272 447	444 601 503
HVVD91	HVVD91 RP00B	2084	blastx.2	gamma non-muscle actin [Oryctolagus cuniculus]	emb CAA43140.1	99%	2	436
HVVB09	HVVB09R	2085	blastx.2	(AK001810) unnamed protein product [Homo sapiens]	dbj BAA91922.1	89%	3	206
HVVBH88	HVVBH88 R	2087	blastx.2	Na,K-ATPase alpha- subunit [Homo sapiens]	dbj BAA00061.1	74%	1	519
HVVB16	HVVB16R	2088	blastx.2	IgG [Homo sapiens]	gb AAA02914.1	69% 92%	32 577	562 618
HVVB108	HVVB108R	2089	blastx.2	(AB014876) ribosomal protein L13 [Cricetulus griseus]	dbj BAA34291.1	81% 96%	156 40	479 234
HVVB155	HVVB155R	2090	blastx.2	ribosomal protein S17	gb AAA60284.1	52% 99%	419 9	601 413

HVVBK13	P00B HVVBK13 R	2091	blastx.2	[Homo sapiens] (AB022653) anti- Entamoeba histolytica immunoglobulin kappa 1	dbj BAA82102.1	88% 62% 43%	73 633 617	618 713 733
HVVB065	HVVB065 R	2092	blastx.2	immunoglobulin lambda light chain [Homo sapiens]	emb CAA75033.1	68%	12	623
HVVB088	HVVB088 R	2093	blastx.2	immunoglobulin heavy chain VH-III region [Homo sapiens]	gb AAA98800.1	82%	77	481
HVVB070	HVVB070 RP00B	2094	blastx.2	immunoglobulin lambda light chain [Homo sapiens]	emb CAA40958.1	68% 67%	20 318	334 491
HVVB060	HVVB060 R	2096	blastx.2	HYPOTHETICAL PROTEIN (FRAGMENT).	sp Q16465 YZA1_H UMAN	100%	448	98
HVVCB04	HVVCB04 R	2098	blastx.2	heavy chain antibody 3D6 [synthetic construct]	emb CAA01549.1	69% 70% 30%	65 478 487	484 609 603
HVVCB08	HVVCB08 R	2099	blastx.2	(AB022653) anti- Entamoeba histolytica immunoglobulin kappa 1	dbj BAA82102.1	76%	73	735
HVVC006	HVVC006 R	2100	blastx.2	(AB005894) ecalectin [Homo sapiens]	dbj BAA31542.1	72% 85%	206 144	325 203
HVVC081	HVVC081 R	2102	blastx.2	glutathione S- transferase-pi [Homo sapiens]	gb AAA56823.1	96%	80	640

HVVCD90	HVVCD90 R	2104	blastx.2	type II mesothelial keratin K7 [Homo sapiens]	gb AAA36146.1	82%	98	748
HVVCE65	HVVCE65 R	2106	blastx.2	80K-H protein [Homo sapiens]	gb AAA52493.1	94%	2	214
HVVCF38	HVVCF38R	2107	blastx.2	immunoglobulin lambda light chain [Homo sapiens]	emb CAA37883.1	84%	114	467
HVVCG29	HVVCG29 R	2108	blastx.2	FB19 protein [Homo sapiens]	emb CAA73697.1	95%	1	375
						65%	1	384
						66%	1	375
						65%	19	375
						69%	19	375
						63%	19	375
						52%	19	378
						63%	1	285
HVVCG31	HVVCG31 R	2109	blastx.2	(AF061034) FIP2 [Homo sapiens]	gb AAC16046.1	47%	19	387
						44%	19	378
						44%	58	399
						70%	654	725
						91%	14	349
						98%	310	573
						60%	576	773
						25%	361	540
HVVCG46	HVVCG46 R	2110	blastx.2	phosphoglycerate kinase (EC 2.7.2.3) [Homo sapiens]	gb AAA60078.1	100%	3	350
HVVCG93	HVVCG93 R	2111	blastx.2	(AB021288) beta 2- microglobulin [Homo sapiens]	dbj BAA35182.1	100%	49	405

HVVCH28	HVVCH28 R	2112	blastx.2	(AF104913) eukaryotic protein synthesis initiation factor [Homo sapiens]	gb AAC82471.1	100%	3	350
HVVC128	HVVC128R	2113	blastx.2	extracellular matrix protein BM-40 (AA 1 - 303) [Homo sapiens]	emb CAA68724.1	100%	3	119
HVVC150	HVVC150R	2114	blastx.2	3D6 antibody light chain [synthetic construct]	emb CAA01550.1	89% 79% 75%	44 382 644	403 663 739
HVVC185	HVVC185R	2115	blastx.2	Ig gamma chain C region - chimpanzee	pir PT0207 PT0207	96% 80%	3 599	599 688
HVVC151	HVVC151R	2116	blastx.2	lysophosphatidic acid acyltransferase-beta [Homo sapiens]	gb AAB58776.1	94% 87%	1 273	261 371
HVVC78	HVVC78 R	2118	blastx.2	Ig light chain V11 region [Homo sapiens]	gb AAA20217.1	85% 77% 84%	27 242 298	248 307 336
HVVC152	HVVC152 R	2119	blastx.2	NuMA protein [Homo sapiens]	emb CAA77670.1	99%	1	339
HVVC173	HVVC173 R	2120	blastx.2	ribosomal protein small subunit [Homo sapiens]	gb AAA35682.1	100% 91%	14 674	583 775
HVVC67	HVVC67 R	2121	blastx.2	Immunoglobulin lambda chain [Homo sapiens]	gb AAC37563.1	95% 78%	3 283	284 378
HVVC84	HVVC84 R	2122	blastx.2	apoferritin H chain [Homo sapiens]	emb CAA25086.1	68%	3	407
HVVCN20	HVVCN20 R	2123	blastx.2	Hin-2 [Homo sapiens]	gb AAA64187.1	89% 71%	68 4	286 87

HVVCN54	HVVCN54 R	2125	blastx.2	[Human Ig rearranged gamma chain mRNA, V-J-C region and complete cds.], gene product [Homo sapiens]	gb AAA73002.1	70% 78%	17 17	388 337
HVVC013	HVVC013 R	2127	blastx.2	3D6 antibody light chain [synthetic construct]	emb CAA01550.1	79% 48%	8 549	550 695
HVVC016	HVVC016 R	2128	blastx.2	alpha SNAP [Homo sapiens]	gb AAC80170.1	96%	251	346
HVVC087	HVVC087 R	2129	blastx.2	(AF191829) heat-shock protein [Littorina plena]	gb AAF12788.1 AF1 91829_1	90% 51% 93%	30 359 457	389 469 501
HVVC041	HVVC041R	2130	blastx.2	(AB019120) seven transmembrane receptor [Rattus norvegicus]	dbj BAA82518.1	52% 54%	2 573	436 644
HVVC088	HVVC088R	2131	blastx.2	(AC002528) alpha2(I) collagen [Homo sapiens]	gb AAB69977.1	88% 50% 49% 48% 47% 48% 49% 51% 48% 47% 47% 50%	15 3 3 3 6 3 3 3 3 15 15 15	470 302 299 299 299 290 272 272 299 299 299 272

							47%	3	272
							46%	3	302
							53%	3	278
							48%	15	272
							46%	3	272
							45%	18	302
							51%	3	272
							45%	18	314
							47%	3	272
							46%	3	305
							49%	3	299
							45%	3	299
							44%	3	299
							45%	3	302
							45%	3	302
							48%	3	272
							45%	3	299
							51%	27	272
							44%	3	302
							49%	3	272
							45%	18	272
							47%	3	272
							47%	15	278
							48%	3	272
							45%	3	299
							45%	18	299
							43%	18	299
							47%	3	272
							42%	3	302
							45%	3	299

							48%	18	272
							45%	15	299
							42%	6	272
							44%	3	272
							43%	18	299
							48%	3	272
							42%	3	302
							43%	3	299
							44%	15	272
							43%	3	272
							43%	3	299
							43%	3	272
							46%	18	272
							43%	3	299
							43%	3	299
							41%	3	302
							38%	319	480
							43%	583	696
HVVCQ49	HVVCQ49 R	2133	blastx.2	(AF076191) gamma-actin [Trichosurus vulpecula]	gb AAC26520.1		76%	54	629
HVVCQ93	HVVCQ93 R	2135	blastx.2	90kDa heat shock protein [Homo sapiens]	gb AAA36025.1		89%	7	699
HVVC28	HVVC28R	2136	blastx.2	Rab5c protein [Canis familiaris]	emb CAA81626.1		91%	183	293
HVVC32	HVVC32R	2137	blastx.2	(AF015283) selenoprotein W [Homo sapiens]	gb AAB69859.1		80%	403	507
HVVCU50	HVVCU50 R	2141	blastx.2	ubiquitin-like protein [Homo sapiens]	dbj BAA04889.1		100%	95	217
								65	307

HVVCV41	HVVCV41 R	2142	blastx.2	(AB010491) natriuretic peptide A type receptor [Homo sapiens]	dbj BAA31199.1	100%	2	292
						100%	309	482
						66%	283	309
						40%	399	479
HVVCW7 5	HVVCW75 R	2144	blastx.2	(AK000419) unnamed protein product [Homo sapiens]	dbj BAA91151.1	100%	3	410
HVVCX46	HVVCX46 R	2146	blastx.2	p48 [Homo sapiens]	gb AAB38382.1	54%	71	712
						50%	418	747
						100%	354	431
						51%	654	734
HVVCY29	HVVCY29 R	2147	blastx.2	immunoglobulin gamma-2 heavy chain [Homo sapiens]	emb CAB58438.1	97%	2	715
HVVCY55	HVVCY55 R	2148	blastx.2	Hrs [Homo sapiens]	dbj BAA23366.1	99%	2	511
HVVCY60	HVVCY60 R	2149	blastx.2	elongation factor-1 alpha-chain protein (EF-1-alpha) [Xenopus 1]	gb AAA49700.1	86%	1	555
						38%	498	716
						42%	557	763
HVVCY62	HVVCY62 R	2150	blastx.2	(AF113887) kappa 1 immunoglobulin light chain [Homo sapiens]	gb AAD29608.1	90%	3	620
HVVCY75	HVVCY75 R	2151	blastx.2	ribosomal protein L34 [Rattus rattus]	emb CAA32574.1	96%	394	477
HVVCY77	HVVCY77 R	2152	blastx.2	phospholipid transfer protein [Homo sapiens]	gb AAA36443.1	98%	2	598
HVVCZ18	HVVCZ18 R	2153	blastx.2	UDP-GalNAc:polypeptide N-	emb CAA63371.1	95%	423	542

HVVDH44	HVVDH44 R	2156	blastx.2	acetylglucosaminyltransferase (GalNAc-T3) [Homo sapiens] (AF013622)	gb AAC39746.1	85%	20	562
HVVDM23	HVVDM23 R	2157	blastx.2	immunoglobulin heavy chain variable region [Homo sapiens] (AJ010446)	emb CAA09185.1	80% 74% 62%	81 308 541	338 502 588
HVVDM31	HVVDM31 R	2158	blastx.2	adenylyl cyclase-associated protein [Homo sapiens] (AF016365)	gb AAA35507.1	98%	3	446
HVVDM45	HVVDM45 R	2159	blastx.2	hexokinase I [Homo sapiens] (AF016365)	gb AAC15863.1	96%	66	155
HVVDN29	HVVDN29 R	2162	blastx.2	ADP,ATP carrier protein T2 - human	pir S03894 S03894	95% 25% 56%	8 29 615	643 559 683
HVVDN77	HVVDN77 R	2163	blastx.2	Lon protease-like protein [Homo sapiens]	emb CAA53625.1	97%	4	594
HVVDP70	HVVDP70 R	2164	blastx.2	SM22 alpha [Homo sapiens]	dbj BAA21839.1	92% 39% 48%	61 294 287	309 593 415
HVVDQ46	HVVDQ46 R	2165	blastx.2	destin [Sus scrofa]	dbj BAA14105.1	64% 56%	106 285	513 485
HVVDQ49	HVVDQ49 R	2166	blastx.2	calpain (EC 3.4.22.17) large chain 1 - rabbit (fragments)	pir A24815 A24815	97%	2	103

HVVDS12	HVVDS12 R	2167	blastx.2	Ig kappa chain NIG2 precursor - human	pir JE0244 JE0244	89%	91	726
HVVDS21	HVVDS21 R	2168	blastx.2	gamma subunit of CCT chaperonin [Homo sapiens]	emb CAA52808.1	95% 68%	74 690	727 746
HVVDS35	HVVDS35 R	2169	blastx.2	hevin [Homo sapiens]	emb CAA57650.1	88% 67%	80 636	736 803
HVVDT29	HVVDT29 R	2171	blastx.2	(AF065388) tetraspan NET-1 [Homo sapiens]	gb AAC17119.1	72%	121	612
HVVDT44	HVVDT44 R	2172	blastx.2	ch-TOG [Homo sapiens]	emb CAA63212.1	98%	2	460
HVVDW02	HVVDW02 R	2174	blastx.2	retinoic acid induced gene E [Homo sapiens]	emb CAA92321.1	79%	3	200
HVVDW61	HVVDW61 R	2175	blastx.2	chimeric monoklonal TSH antibody, gamma chain [synthetic construct]	emb CAA00676.1	86%	2	229
HVVDX90	HVVDX90 R	2177	blastx.2	(AF149822) mitotic checkpoint protein BUB3 [Mus musculus]	gb AAD38038.1 AF149822_1	84%	23	511
HWLME48	HWLME48 R	2181	blastx.2	calpain II [Sus scrofa]	gb AAB17381.1	95%	3	140
HWMIB35	HWMIB35 R	2183	blastx.2	ZZ:beta-Gal' IgG-binding fusion protein [unidentified cloning I	gb AAB00807.1	96%	49	219

HWWEF9 0	HWWEF90 R	2185	blastx.2	(AL035461) dJ967N21.3 (novel protein similar to predicted 1	emb CAB55274.1	95%	61	300
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[0048] Table 2 further characterizes certain encoded polypeptides of the invention, by providing the results of comparisons to protein and protein family databases. The first column provides a unique clone identifier, "Clone ID NO:", corresponding to a cDNA clone disclosed in Table 1. The second column provides the unique contig identifier, "Contig ID:" which allows correlation with the information in Table 1. The third column provides the sequence identifier, "SEQ ID NO:X", for the contig polynucleotide sequences. The fourth column provides the analysis method by which the homology/identity disclosed in the row was determined. The fifth column provides a description of PFam/NR hits having significant matches identified by each analysis. Column six provides the accession number of the PFam/NR hit disclosed in the fifth column. Column seven, "Score/Percent Identity", provides a quality score or the percent identity, of the hit disclosed in column five. Comparisons were made between polypeptides encoded by polynucleotides of the invention and a non-redundant protein database (herein referred to as "NR"), or a database of protein families (herein referred to as "PFam"), as described below.

[0049] The NR database, which comprises the NBRF PIR database, the NCBI GenPept database, and the SIB SwissProt and TrEMBL databases, was made non-redundant using the computer program nrdb2 (Warren Gish, Washington University in Saint Louis). Each of the polynucleotides shown in Table 1, column 3 (e.g., SEQ ID NO:X or the 'Query' sequence) was used to search against the NR database. The computer program BLASTX was used to compare a 6-frame translation of the Query sequence to the NR database (for information about the BLASTX algorithm please see Altshul et al., J. Mol. Biol. 215:403-410 (1990), and Gish et al., Nat. Genet. 3:266-272 (1993)). A description of the sequence that is most similar to the Query sequence (the highest scoring 'Subject') is shown in column five of Table 2 and the database accession number for that sequence is provided in column six. The highest scoring 'Subject' is reported in Table 2 if (a) the estimated probability that the match occurred by chance alone is less than $1.0e-07$, and (b) the match was not to a known repetitive element. BLASTX returns alignments of short polypeptide segments of the Query and Subject sequences which share a high degree of similarity; these segments are known as High-Scoring Segment Pairs or HSPs. Table 2 reports the degree of similarity between the Query and the Subject for each HSP as a

percent identity in Column 7. The percent identity is determined by dividing the number of exact matches between the two aligned sequences in the HSP, dividing by the number of Query amino acids in the HSP and multiplying by 100. The polynucleotides of SEQ ID NO:X which encode the polypeptide sequence that generates an HSP are delineated by columns 8 and 9 of Table 2.

[0050] The PFam database, PFam version 5.2, (Sonnhammer et al., Nucl. Acids Res., 26:320-322, (1998)) consists of a series of multiple sequence alignments; one alignment for each protein family. Each multiple sequence alignment is converted into a probability model called a Hidden Markov Model, or HMM, that represents the position-specific variation among the sequences that make up the multiple sequence alignment (see, e.g., R. Durbin et al., *Biological sequence analysis: probabilistic models of proteins and nucleic acids*, Cambridge University Press, 1998 for the theory of HMMs). The program HMMER version 1.8 (Sean Eddy, Washington University in Saint Louis) was used to compare the predicted protein sequence for each Query sequence (SEQ ID NO:Y in Table 1) to each of the HMMs derived from PFam version 5.2. A HMM derived from PFam version 5.2 was said to be a significant match to a polypeptide of the invention if the score returned by HMMER 1.8 was greater than 0.8 times the HMMER 1.8 score obtained with the most distantly related known member of that protein family. The description of the PFam family which shares a significant match with a polypeptide of the invention is listed in column 5 of Table 2, and the database accession number of the PFam hit is provided in column 6. Column 7 provides the score returned by HMMER version 1.8 for the alignment. Columns 8 and 9 delineate the polynucleotides of SEQ ID NO:X which encode the polypeptide sequence which shows a significant match to a PFam protein family.

[0051] As mentioned, columns 8 and 9 in Table 2, "NT From" and "NT To", delineate the polynucleotides of "SEQ ID NO:X" that encode a polypeptide having a significant match to the PFam/NR database as disclosed in the fifth column of Table 2. In one embodiment, the invention provides a protein comprising, or alternatively consisting of, a polypeptide encoded by the polynucleotides of SEQ ID NO:X delineated in columns 8 and 9 of Table 2. Also provided are polynucleotides encoding such proteins, and the complementary strand thereto.

[0052] The nucleotide sequence SEQ ID NO:X and the translated SEQ ID NO:Y are sufficiently accurate and otherwise suitable for a variety of uses well known in the art and described further below. For instance, the nucleotide sequences of SEQ ID NO:X are useful for designing nucleic acid hybridization probes that will detect nucleic acid sequences contained in SEQ ID NO:X or the cDNA contained in Clone ID NO:Z. These probes will also hybridize to nucleic acid molecules in biological samples, thereby enabling immediate applications in chromosome mapping, linkage analysis, tissue identification and/or typing, and a variety of forensic and diagnostic methods of the invention. Similarly, polypeptides identified from SEQ ID NO:Y may be used to generate antibodies which bind specifically to these polypeptides, or fragments thereof, and/or to the polypeptides encoded by the cDNA clones identified in, for example, Table 1.

[0053] Nevertheless, DNA sequences generated by sequencing reactions can contain sequencing errors. The errors exist as misidentified nucleotides, or as insertions or deletions of nucleotides in the generated DNA sequence. The erroneously inserted or deleted nucleotides cause frame shifts in the reading frames of the predicted amino acid sequence. In these cases, the predicted amino acid sequence diverges from the actual amino acid sequence, even though the generated DNA sequence may be greater than 99.9% identical to the actual DNA sequence (for example, one base insertion or deletion in an open reading frame of over 1000 bases).

[0054] Accordingly, for those applications requiring precision in the nucleotide sequence or the amino acid sequence, the present invention provides not only the generated nucleotide sequence identified as SEQ ID NO:X, and a predicted translated amino acid sequence identified as SEQ ID NO:Y, but also a sample of plasmid DNA containing cDNA Clone ID NO:Z (deposited with the ATCC on June 5, 2000 and were given ATCC Deposit Nos. PTA-1982 and PTA-1985; and/or as set forth, for example, in Table 1, 6 and 7). The nucleotide sequence of each deposited clone can readily be determined by sequencing the deposited clone in accordance with known methods. Further, techniques known in the art can be used to verify the nucleotide sequences of SEQ ID NO:X. Techniques known in the art can be used to verify the nucleotide sequences of SEQ ID NO:X.

[0055] The predicted amino acid sequence can then be verified from such deposits. Moreover, the amino acid sequence of the protein encoded by a particular clone can also be directly determined by peptide sequencing or by expressing the protein in a suitable host cell containing the deposited human cDNA, collecting the protein, and determining its sequence.

RACE Protocol For Recovery of Full-Length Genes

[0056] Partial cDNA clones can be made full-length by utilizing the rapid amplification of cDNA ends (RACE) procedure described in Frohman, M.A., et al., Proc. Nat'l. Acad. Sci. USA, 85:8998-9002 (1988). A cDNA clone missing either the 5' or 3' end can be reconstructed to include the absent base pairs extending to the translational start or stop codon, respectively. In some cases, cDNAs are missing the start codon of translation. The following briefly describes a modification of this original 5' RACE procedure. Poly A⁺ or total RNA is reverse transcribed with Superscript II (Gibco/BRL) and an antisense or complementary primer specific to the cDNA sequence. The primer is removed from the reaction with a Microcon Concentrator (Amicon). The first-strand cDNA is then tailed with dATP and terminal deoxynucleotide transferase (Gibco/BRL). Thus, an anchor sequence is produced which is needed for PCR amplification. The second strand is synthesized from the dA-tail in PCR buffer, Taq DNA polymerase (Perkin-Elmer Cetus), an oligo-dT primer containing three adjacent restriction sites (XhoI, SalI and ClaI) at the 5' end and a primer containing just these restriction sites. This double-stranded cDNA is PCR amplified for 40 cycles with the same primers as well as a nested cDNA-specific antisense primer. The PCR products are size-separated on an ethidium bromide-agarose gel and the region of gel containing cDNA products the predicted size of missing protein-coding DNA is removed. cDNA is purified from the agarose with the Magic PCR Prep kit (Promega), restriction digested with XhoI or SalI, and ligated to a plasmid such as pBluescript SKII (Stratagene) at XhoI and EcoRV sites. This DNA is transformed into bacteria and the plasmid clones sequenced to identify the correct protein-coding inserts. Correct 5' ends are confirmed by comparing this sequence with the putatively identified homologue and overlap with the partial cDNA clone. Similar methods known in the art and/or commercial kits are used to amplify and recover 3' ends.

[0057] Several quality-controlled kits are commercially available for purchase. Similar reagents and methods to those above are supplied in kit form from Gibco/BRL for both 5' and 3' RACE for recovery of full length genes. A second kit is available from Clontech which is a modification of a related technique, SLIC (single-stranded ligation to single-stranded cDNA), developed by Dumas et al., *Nucleic Acids Res.*, 19:5227-32 (1991). The major differences in procedure are that the RNA is alkaline hydrolyzed after reverse transcription and RNA ligase is used to join a restriction site-containing anchor primer to the first-strand cDNA. This obviates the necessity for the dA-tailing reaction which results in a polyT stretch that is difficult to sequence past.

[0058] An alternative to generating 5' or 3' cDNA from RNA is to use cDNA library double-stranded DNA. An asymmetric PCR-amplified antisense cDNA strand is synthesized with an antisense cDNA-specific primer and a plasmid-anchored primer. These primers are removed and a symmetric PCR reaction is performed with a nested cDNA-specific antisense primer and the plasmid-anchored primer.

RNA Ligase Protocol For Generating The 5' or 3' End Sequences To Obtain Full Length Genes

[0059] Once a gene of interest is identified, several methods are available for the identification of the 5' or 3' portions of the gene which may not be present in the original cDNA plasmid. These methods include, but are not limited to, filter probing, clone enrichment using specific probes and protocols similar and identical to 5' and 3' RACE. While the full length gene may be present in the library and can be identified by probing, a useful method for generating the 5' or 3' end is to use the existing sequence information from the original cDNA to generate the missing information. A method similar to 5' RACE is available for generating the missing 5' end of a desired full-length gene. (This method was published by Fromont-Racine et al., *Nucleic Acids Res.*, 21(7):1683-1684 (1993)). Briefly, a specific RNA oligonucleotide is ligated to the 5' ends of a population of RNA presumably containing full-length gene RNA transcript. A primer set containing a primer specific to the ligated RNA oligonucleotide and a primer specific to a known sequence of the gene of interest, is used to PCR amplify the 5' portion of the desired full length gene which may then be sequenced and used to generate the full length gene. This

method starts with total RNA isolated from the desired source, poly A RNA may be used but is not a prerequisite for this procedure. The RNA preparation may then be treated with phosphatase if necessary to eliminate 5' phosphate groups on degraded or damaged RNA which may interfere with the later RNA ligase step. The phosphatase if used is then inactivated and the RNA is treated with tobacco acid pyrophosphatase in order to remove the cap structure present at the 5' ends of messenger RNAs. This reaction leaves a 5' phosphate group at the 5' end of the cap cleaved RNA which can then be ligated to an RNA oligonucleotide using T4 RNA ligase. This modified RNA preparation can then be used as a template for first strand cDNA synthesis using a gene specific oligonucleotide. The first strand synthesis reaction can then be used as a template for PCR amplification of the desired 5' end using a primer specific to the ligated RNA oligonucleotide and a primer specific to the known sequence of the ovarian antigen of interest. The resultant product is then sequenced and analyzed to confirm that the 5' end sequence belongs to the relevant ovarian antigen.

[0060] The present invention also relates to vectors or plasmids, which include such DNA sequences, as well as the use of the DNA sequences. The material deposited with the ATCC (deposited with the ATCC on June 5, 2000 and were given ATCC Deposit Nos. PTA-1982 and PTA-1985; and/or as set forth, for example, in Table 1, 6 and 7) is a mixture of cDNA clones derived from a variety of human tissue and cloned in either a plasmid vector or a phage vector, as shown, for example, in Table 7. These deposits are referred to as "the deposits" herein. The tissues from which some of the clones were derived are listed in Table 7, and the vector in which the corresponding cDNA is contained is also indicated in Table 7. The deposited material includes cDNA clones corresponding to SEQ ID NO:X described, for example, in Table 1 (Clone ID NO:Z). A clone which is isolatable from the ATCC Deposits by use of a sequence listed as SEQ ID NO:X, may include the entire coding region of a human gene or in other cases such clone may include a substantial portion of the coding region of a human gene. Furthermore, although the sequence listing may in some instances list only a portion of the DNA sequence in a clone included in the ATCC Deposits, it is well within the ability of one skilled in the art to sequence the DNA included in a clone contained in the ATCC Deposits by use of a sequence (or portion thereof) described in, for example Tables 1A or

2 by procedures hereinafter further described, and others apparent to those skilled in the art.

[0061] Also provided in Table 7 is the name of the vector which contains the cDNA clone. Each vector is routinely used in the art. The following additional information is provided for convenience.

[0062] Vectors Lambda Zap (U.S. Patent Nos. 5,128,256 and 5,286,636), Uni-Zap XR (U.S. Patent Nos. 5,128,256 and 5,286,636), Zap Express (U.S. Patent Nos. 5,128,256 and 5,286,636), pBluescript (pBS) (Short, J. M. et al., *Nucleic Acids Res.* 16:7583-7600 (1988); Altting-Mees, M. A. and Short, J. M., *Nucleic Acids Res.* 17:9494 (1989)) and pBK (Altting-Mees, M. A. et al., *Strategies* 5:58-61 (1992)) are commercially available from Stratagene Cloning Systems, Inc., 11011 N. Torrey Pines Road, La Jolla, CA, 92037. pBS contains an ampicillin resistance gene and pBK contains a neomycin resistance gene. Phagemid pBS may be excised from the Lambda Zap and Uni-Zap XR vectors, and phagemid pBK may be excised from the Zap Express vector. Both phagemids may be transformed into *E. coli* strain XL-1 Blue, also available from Stratagene.

[0063] Vectors pSport1, pCMVSPORT 1.0, pCMVSPORT 2.0 and pCMVSPORT 3.0, were obtained from Life Technologies, Inc., P. O. Box 6009, Gaithersburg, MD 20897. All Sport vectors contain an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, also available from Life Technologies. See, for instance, Gruber, C. E., et al., *Focus* 15:59- (1993). Vector lacmid BA (Bento Soares, Columbia University, New York, NY) contains an ampicillin resistance gene and can be transformed into *E. coli* strain XL-1 Blue. Vector pCR[®]2.1, which is available from Invitrogen, 1600 Faraday Avenue, Carlsbad, CA 92008, contains an ampicillin resistance gene and may be transformed into *E. coli* strain DH10B, available from Life Technologies. See, for instance, Clark, J. M., *Nuc. Acids Res.* 16:9677-9686 (1988) and Mead, D. et al., *Bio/Technology* 9: (1991).

[0064] The present invention also relates to the genes corresponding to SEQ ID NO:X, SEQ ID NO:Y, and/or the deposited clone (Clone ID NO:Z). The corresponding gene can be isolated in accordance with known methods using the sequence information disclosed herein. Such methods include preparing probes or primers from the disclosed

sequence and identifying or amplifying the corresponding gene from appropriate sources of genomic material.

[0065] Also provided in the present invention are allelic variants, orthologs, and/or species homologs. Procedures known in the art can be used to obtain full-length genes, allelic variants, splice variants, full-length coding portions, orthologs, and/or species homologs of ovarian associated genes corresponding to SEQ ID NO:X or the complement thereof, polypeptides encoded by SEQ ID NO:X or the complement thereof, and/or the cDNA contained in Clone ID NO:Z, using information from the sequences disclosed herein or the clones deposited with the ATCC. For example, allelic variants and/or species homologs may be isolated and identified by making suitable probes or primers from the sequences provided herein and screening a suitable nucleic acid source for allelic variants and/or the desired homologue.

[0066] The polypeptides of the invention can be prepared in any suitable manner. Such polypeptides include isolated naturally occurring polypeptides, recombinantly produced polypeptides, synthetically produced polypeptides, or polypeptides produced by a combination of these methods. Means for preparing such polypeptides are well understood in the art.

[0067] The polypeptides may be in the form of the secreted protein, including the mature form, or may be a part of a larger protein, such as a fusion protein (see below). It is often advantageous to include an additional amino acid sequence which contains secretory or leader sequences, pro-sequences, sequences which aid in purification, such as multiple histidine residues, or an additional sequence for stability during recombinant production.

[0068] The polypeptides of the present invention are preferably provided in an isolated form, and preferably are substantially purified. A recombinantly produced version of a polypeptide, including the secreted polypeptide, can be substantially purified using techniques described herein or otherwise known in the art, such as, for example, by the one-step method described in Smith and Johnson, Gene 67:31-40 (1988). Polypeptides of the invention also can be purified from natural, synthetic or recombinant sources using techniques described herein or otherwise known in the art, such as, for

example, antibodies of the invention raised against the ovarian polypeptides of the present invention in methods which are well known in the art.

[0069] The present invention provides a polynucleotide comprising, or alternatively consisting of, the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA sequence contained in Clone ID NO:Z. The present invention also provides a polypeptide comprising, or alternatively, consisting of, the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEQ ID NO:X or a complement thereof, and/or a polypeptide encoded by the cDNA contained in Clone ID NO:Z. Polynucleotides encoding a polypeptide comprising, or alternatively consisting of the polypeptide sequence of SEQ ID NO:Y, a polypeptide encoded by SEQ ID NO:X, and/or a polypeptide encoded by the cDNA contained in Clone ID NO:Z are also encompassed by the invention. The present invention further encompasses a polynucleotide comprising, or alternatively consisting of, the complement of the nucleic acid sequence of SEQ ID NO:X, a nucleic acid sequence encoding a polypeptide encoded by the complement of the nucleic acid sequence of SEQ ID NO:X, and/or the cDNA contained in Clone ID NO:Z.

[0070] Many polynucleotide sequences, such as EST sequences, are publicly available and accessible through sequence databases and may have been publicly available prior to conception of the present invention. Preferably, such related polynucleotides are specifically excluded from the scope of the present invention. Accordingly, for each contig sequence (SEQ ID NO:X) listed in the third column of Table 1, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 and the final nucleotide minus 15 of SEQ ID NO:X, b is an integer of 15 to the final nucleotide of SEQ ID NO:X, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:X, and where b is greater than or equal to a + 14. More specifically, preferably excluded are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a and b are integers as defined in columns 4 and 5, respectively, of Table 3. In specific embodiments, the polynucleotides of the invention do not consist of at least one, two, three, four, five, ten, or more of the specific polynucleotide sequences referenced by the Genbank Accession No. as disclosed in column 6 of Table 3. In further embodiments, preferably excluded from the invention are the specific polynucleotide

sequence(s) contained in the clones corresponding to at least one, two, three, four, five, ten, or more of the available material having the accession numbers identified in the sixth column of this Table. In no way is this listing meant to encompass all of the sequences which may be excluded by the general formula, it is just a representative example. All references available through these accessions are hereby incorporated by reference in their entirety.

TABLE 3

Clone ID NO: Z	SEQ ID NO: X	Contig ID:	EST Disclaimer Range of a Range of b	Accession #'s
HOVCD34	11	396327	1 - 314 15 - 328	BF032064, T40388, BG223493, AI917132, BF526832, AI554435, H86931, AC007262, AC026722, Z98742, AP000115, AL121969, AL159996, AP001717, AL353771, AL354674, AL353802, AL031846, AP000308, AL139343, Z97629, AC010135, AL049832, AP000048, AL020995, AC011292, AC007955, AL356103, AC004938, AC002492, AC068811, AC023511, AL008721, AC011749, AL024473, AC006354, AC002351, Z93015, AC007172, AC005230, AL139342, AF165926, AL121902, AC007025, AC005181, AL158841, AC011742, AL163201, AC009024, AC008269, AL139277, AC007964, AC007938, AF205588, AL139185, AC006478, AC007784, AL034395, AL136000, AC007344, AC010731, AL122013, AC002288, AL359751, AL121721, AC006590, AL139232, AC024164, AL031662, AC007358, AC009481, AL050335, AL033533, AC010789, AC009498, AC007850, AL020998, AC018684, AL034451, AL135783, AC008066, AC005030, AL049562, AL138706, Z95125, AC007461, AC011475, AL117337, AL117694, AL121915, AL049776, AL078596, AL035089, AL096764, AL049563, AC002553, AL035067, AC007458, AC018642, AC005550, Z99496, Z98036, Z99291, AC003119, AC007446, AC020751, AC068314, AC003035, X87344, AC066598, AC073175, AL139351, AC012156, AC006314, AC010582, AC018832, AC006142, AL139353, and AL163247.
HEBGD58	12	498281	1 - 340 15 - 354	BG253988, BF508504, AA187211, H44280, BG251021, AA431830, AW962811, AA355921, H06638, BG259131, AV729233, BG119160, BG027014, T48526, AW298232, and AL138828.
HETCD42	13	533532	1 - 2333 15 - 2347	AL079360, AU137870, AU139146, BG260515, AV714769, AU137391, BF984453, AV713475, AV757390, AU138193, BF981793, AV713896, BE886752, BE889586, AW863749, BE882133, BF984505, BF983192, BG033275, BE537808, AU138496, BF978549, BF791293, AV758458, BF978970, BE897839, BE891773, BG028552, AV756779, BF348380, BE544852, BG180994, AU138423, BE783926, BE790149, AV647651, BG180514, BE886542, BF669771, AW950287, BG030964, AU133929, BF540824, BF672669, AI308837, BE882889, BF244654, BF666694, AV647698, BG169993, BF790368, AV723145, AV732863, AA122236, AV647695, AV715522, AV685920, BF028308, AV647569, BF105115, BE892120, BF695056, BF669431, BF436129, BE543091, AW363937, BF667030, AI740603, BE568179, AV715544, AI698125, AI678683, BE748490, AW299845, BG009598, AI766040, BF036918, AA911996, BF790701, AI740699, BF129905, BF695828, BE748787, BF694681, BE049332, BE501459, BF791119, BF242503, BF240540, AI566017, BE739216, AI862778, BF103607, BF383055, BF089920, BF383113, BF574696, AW439230, BF028165, AI992130, BF029869, BF214255, AA083269, BF692328,

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HTXKC18	14	535854	1 - 864	15 - 878	

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HLDRK20	15	553765	1 - 1300	15 - 1314	AL531625, BE249834, BE249869, AU133584, AU133954, BE293561, AV692312, AW957051, BE293519, AU135103, AA399208, AW176043, AV690099, AI904273, T60502, BF374345, AV655442, AW804571, AW804603, T70509, AV688378, H47199, H93928, AV694565, AV694238, T68223, T68956, T68126, T68045, AA337893, T69698, AW804991, AW804996, T68924, AW372297, T72305, AV696946, AV696947, AI301941, AA344625, T71155, T72771, T56196, T73042, BF992875, AI133687, BE392020, AV693194, BF848482, AW104835, BF369544, T74806, AI363265, T68644, T60607, AA779168, T68483, T67851, AV647855, T73703, AI266591, AR034619, S67310, L15702, X72875, AX014918, AF019413, X00284, K01566, M15082, and M59240.
H2MBD33	16	558474	1 - 425	15 - 439	AW957931, AW957932, AA308306, AI633677, BE538201, BE044997, AW856247, BF061419, BE787771, AW874580, AA503529, AW117709, AI613324, AI561159, AI732205, AA133693, AA747898, AU160258, Z19706, AA405171, AU156212, BG231867, AI498698, AA579013, U88573, A75315, AC016816, X87344, AC000117, AC004506, AC004522, AC004899,

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HSYBX61	17	558708	1 - 1094	15 - 1108		AT950214, AI074445, BG114649, BF666951, AV705261, AI050761, BF215604, BF700368, AW665220, BF247160, BE58106, BF668544, AW901579, AA863199, BG105211, AW901581, AA933061, BF691307, BF081566, AU153641, W48793, BE701906, AW901558, BF363888, W49619, AA757163, AI127140, BF363884, BE812771, AW901562, AA406401, AU127328, AU120201, AW901572, BE701904, AV694302, AW901560, AW951188, BE938964, W24640, BE701884, AI207705, AW360819, AL041311, AW360785, T29223, AI765920, BF382797, AA747483, AW136630, N83358, R38385, AW900970, BF970590, BF885816, AW899304, N87392, AA693316, N89144, AI675151, AW900934, BF529885, BE767210, AI754509, BE464612, BG167754, M34064, X57548, X53615, S42303, AB017695, AB008811, M31131, AF097593, X07277, S45013, X54315, S45011, AF177682, Z27439, Z27440, and Z27441.
HELHC03	18 -	562745	1 - 1161	15 - 1175		BE262771, AI024014, H91016, H90904, AV695478, BE138594, AL036909, AI560085, AI537397, AI630283, AA744018, AV756491, AL038842, T74524, AW023302, AI888468, AI076236, AA181917, AA468022, AI678867, BE147833, AW965008, AC005048, AC005726, AC006050, AL139182, AL121893, AC005829, AL078591, U91323, Z84469, AL162615, AF196969, AC006337, AC011470, AL031777, AC005102, AL135901, Z93241, AC007934, AC005670, AC007263, AL353804, AC004895, AC004963, AL121891, AL050349, AC004906, AC000025, AC004983, AL117382, AC006011, AL034422, AP000563, AL354896, AL139099, AC008760, AB003151, AL157789, AC003070, AL049872, AC005412, AL162430, AC005859, AP000558, AP000065, AC011500, AL050332, AC011479, AC018738, AC005527, AL158141, AC009516, AP001711, AC005529, AL356354, AC007686, AC000379, AL109797, AL135744, AC002115, AC002546, AC005080, AC011455, AL008635, AL133417, Z95114, AC007785, AC004634, AP000501, AC007216, AC018751, AF053356, AC002312, Z97985, AC002550, AC005236, AL049795, AC010553, AL049780, AC005052, AL138807, AC005482, AF111168, AC005081, AC011442, AL445248, AC007055, AC036103, AC002425, AP000313, AL109743, AF088219, AC002091, AC010201, AC006552, AL133228, AC005840, AL137060, AC009399, AL050318, AC002301, AC007130, AL118520, AC006483, AP000133, AC010422, AL031575, AC011475, AC011523, AC007201, AC004916, AF109907, AF168787, AC006071, AL365212, AC004694, AC027319, AL133548, AC011495, Z94801, Z98884, AC002404, AC002395, AC008085, AP000194, AC004858, AL136298, AC018719, AL138893, AC011527, AC002369, AC011592, AL356750, AL389886, AC005409, AC008770, Z94056, AP000350, AL133153, AL132653, AC015651, AL031846, AL162424, AC083874, AC005755, AC004031, AC016831, AP001714, AC005015, AC007465, AP000555, AC008537, U91326, AC020947, AC020908,

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HOFMP70	19	585385	1 - 333	15 - 347	AU129119, AU132116, AU122873, BF985587, BE880467, AU134725, BF763276, AU127421, BF986272, BF752117, BF679945, AU131326, AU139214, AA314523, AA852641, AU129752, AA307371, BF696550, AU130590, AU118964, BG178180, AU131491, BF669193, AU136184, BF985661, BE410823, T68678, BF749656, AW239136, AA242999, BE620262, BF698331, AA375736, BE782468, BF965316, BF327652, BE876259, BE875957, BE796542, BE620043, BE389731, BE790649, T07406, BF570489, BE785080, BE745306, BF681401, AW579861, BF985601, AU128901, BE156508, AL036766, AU128389, AA375047, BF107335, BF985580, BG171811, T71831, BF985602, BF903411, T71811, AA362982, AV750113, AA092055, BE732006, BE731395, AU127766, BE156632, BE733317, BE273157, BF733809, AL044046, AW455795, BF107170, BF752590, AW363271, U01153, X15187, AK025459, X90848, Y09136, X76301, S74939, M26596, M33716, and AR032000.
HSKNZ25	20	585675	1 - 674	15 - 688	AL423388, AA705880, BF525904, AA349525, AA488891, AA836122, BF348027, AA465431, AL10146, AL302088, AA584447, AW968376, N46920, AP986100, BF753058, BE160619, AI077517, AL040766, AA890243, BE244498, AA325569, BE160856, AA771925, AA489237, AA126066, AV656598, AW372110, AW137313, AL039325, BF959941, AA046254, AW136539, BE072182, AA465360, AA917759, AW962078, AW816387, BE935535, AA573136, AW517075, BF903430, R45086, AW797195, AL368519, AA078308, AI022603, AL354688, BF761820, AL565643, AA810621, W87764, AW852367, BE149694, AV653343, BG010915, BF989770, BF762909, BF834278, BF897554, BF929290, AW861486, AI052645, AA280250, BF857730, BF857711, AW857610, AW857593, BE729724, AL118895, AW857604, AW938518, BE142184, BG105313, AA077547, AA577804, AA496279, BE089188, BE142866, BE142936, BE161095, AW888812, AW857605, AW945790, BF750582, BF813834, AI651771, BE089952, AW898784, AW845700, BE393138, AW902136, AW845696, BF953515, AL024458, AC005562, AC007204, AL031228, AL035246, AC012309, AC010632, AC003975, AC011460, AC007275, AC008821, AL445249, D28126, AC009489, AL122001, AC003682, AL121905, AC008537, AL136317, AL139277, AL022318, AC078899, AC002301, AL360088, AP000346, AC0022137, AL033526, AC068948, AL133162, AL121985, AC006504, AC019173, AL132656, AC000397, Z95704, AC010328, AC008176, AC073898, AL161802, AL121932, AC006462, AL365505, AL031775, AP000431, AP001675, AC022148, AC008969, AC074331, AL035458, AL078614, AP001464, AC004976, AL109943, AC022596, AP000498, AL163202, AB026898, AL137070, AC008554, AL136419, AC010889, AC002049,

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HDPFK39	21	588869	1 - 736	15 - 750	BF892783, BF894772, BE243071, BF892143, BF892796, BF892140, BF899235, M18044, J03925, J04145, AF268593, S52159, S52157, S52153, S52154, S52152, S52161, I19138, M76724, S52155, M82856, and U59801.
HL1AB07	22	638220	1 - 870	15 - 884	AW410018, AI956068, AI140111, BE902158, BE410544, BE559955, AW009487, AW006443, BF237868, AV714206, AI301924, AI494409, AV717288, BG256432, BF976795, BG166509, AW080966, BE619019, W52136, AV709106, BE619682, AI189286, BE566002, AW084868, AI687212, AV711092, BF697110, BE567660, BE409695, AV710866, AI801202, AI032877, AW410017, BE568300, AI262521, BE963864, AI523891, AI184261, AV691952, BE091071, AV746007, AI566878, AA151257, AI144492, AA826477, AW083498, BE787965, BF851971, BE535774, AW410030, AI399980, N36966, BF435067, AI809283, AI018420, BF967855, AI819520, W30822, AI128356, AI025970, BE672642, BF081971, BF081981, AI880707, AA127920, AW779049, BF676071, AI206487, AW471111, AW028734, AV762883, AI150971, BF881900, AA889268, AA887476, BF858077, N36122, AI190417, AI127953, BF696643, AA843205, N38925, AI566572, AI066676, BE931182, AI990970, BE879114, BF028182, W37751, AA730086, H48432, C18042, AA142846, AI139565, AI688339, AA679046, AA588794, AA127971, AV716260, AA001534, AA719696, AI074105, AA642642, N42965, AV762116, AI375763, N47999, W67531, AV723563, AI627627, AA494298, AA973740,

HHGAS83	23	654868	1 - 833	15 - 847	<p> A1016758, BF081942, AA151258, BE905596, AI225090, BE875848, W02508, H46679, C04154, T60074, BF678014, BG106733, H41469, BE270088, N69681, AA844464, AA430561, AA583307, AA461150, AV762407, AA127062, D19615, AI752939, R81805, AA025474, AI066496, W37750, H41039, AV745238, AI924481, AI924470, BE004170, AI344530, AW880670, H72482, AA018348, AA514449, BF475775, AA125939, H29277, AI004753, AI355113, AA844121, BF892448, BE825656, T35178, H22508, R81909, W31172, AA976620, F35745, H65927, H22469, AA917898, H18879, H20360, AA354526, AA460845, AA610792, AA844581, AI984747, AA532788, R89209, AA694042, H18878, R50840, N30666, AA834054, W67532, R89101, H58424, AA650593, AA018347, R82743, AW572104, AA055147, AA301393, BE463668, AI024508, AV683793, AI630440, H42928, AA343997, AV690683, N32244, AV689469, AA890629, AA433978, H46678, BF222315, BE866553, AW888410, AV685213, W25676, BE091036, AA084018, AA337082, AW088862, AA112174, R34238, T85674, H40286, BE568860, T34863, N94289, AV705344, H20171, W02840, AW380085, AW380101, AW948839, AW380091, AA353222, AI184040, T55401, H58425, AW380097, N51206, BF056703, AA650550, T35474, AV738416, H72883, AA054937, AA704634, R35565, AI198351, BF842567, AW885411, AA464336, BF967553, N46497, R32185, F24158, R32236, BE925396, AI612942, W92351, AX015062, AF161504, AF151884, AC007237, and AX014860. </p> <p> AL533363, AW156912, AI816293, BG178409, AL533268, BE780411, AW157766, AI798138, AI963352, AI928783, AW262125, BE791202, AV759165, AI674833, AI039883, AW162562, BG178768, BE877936, AV722302, BF571229, BF339857, AI830091, BF126571, BF674685, AI986467, AW148939, BF345205, AV711322, BG236045, AW272546, BE872856, AV723940, BG163828, BF967950, BE745145, AA572799, BE899054, BE615020, AW161689, BF529506, AI206529, W93860, AL533542, BE799051, BG232073, AI200704, BF973309, BF679748, BF974878, AI199823, AI817392, BF184997, BF967861, AV710824, BF338381, N25541, AA669821, AV702224, BF528571, BF530905, AA593762, AW157587, AW157474, AA128267, BF974287, AV711487, AW029137, AA577607, AV707789, AA864492, AV733623, AI077676, AA576598, AA575898, AA708990, AA843178, AI338574, BF239951, BF820971, AI832599, AI139644, BE273067, AI745646, AI340072, BF210950, BE165278, BF206608, BE614815, BE165293, BE165267, BF700461, BF821744, AI276918, BE165274, BE165284, BE874868, AI630859, BE165285, BE165295, BE165281, BE165287, BE165289, BE165094, BE165276, BE165272, BE165273, BE165275, BE165110, BE165296, BE165286, BE165277, BE165157, BE165165, BE165084, BE165294, BE165290, BE165087, BE165271, BE165077, BE165089, AV734637, BF351286, BE165095, BF772629, BE165270, BF339501, BE165078, BE844143, BE165088, BE165099, AA814150, BE122846, BF967319, BE810478, BF342269, AW386221, BE165090, BE279632, BE165085, BF351288, BE165116, BE165091, BE165098, AI139451, AI673724, N34138, BE165092, AA970318, AA506290, W67498, </p>
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HTSGU37 H2LAN34	24	704405	1 - 502	15 - 516	<p>BF770073, BF216394, BF680640, BE793193, BE165292, BE938895, BF924501, AV733983, BE763913, H42152, BF820364, AI923629, W90644, AW953889, H43136, AW953838, AI523448, AA029738, AA034262, BF737798, BF346328, BF821748, AA507762, BE973916, BF351295, H01957, N21386, AI191285, AI085683, AA480834, BE165106, BF772626, AI660175, H42506, BG230993, BF351292, AV742697, BF665930, AI754274, AI907958, BF820365, BF674337, BE165101, AA029498, AA740348, BE785360, AA506938, AA457725, AW005610, N20640, H26094, H42476, AA010689, AA039989, N36838, AI167980, AV755945, BF448586, BF815571, BF675649, AA642726, AA455488, W74383, BE165269, BE165280, AI754434, BF967367, AW938715, BF739156, BG164837, F32477, AW511436, R99698, BG171345, AV744421, R79563, AA129366, T34865, AI753955, N36170, W27617, AA845291, BF772634, AV729590, AV725066, BE122839, BF737242, H25701, W79200, AA629624, R99713, BF375128, AA126699, AI866674, BF698421, AA551974, BF574054, BE122838, BF737793, BF351314, AC003688, AF067171, AF183425, AF044671, AF161586, AL050182, AJ297742, AF161587, AF161588, and U65413.</p>
	25	705692	1 - 530	15 - 544	<p>AW163711, AI815378, AL524692, AA813566, AF019406, AL050341, and M95610.</p> <p>AA314140, AI623759, AW954842, AV747509, AA768701, AW005593, AI420537, H65282, AW469272, AW469280, AW959628, AW966534, AW966053, D58283, AW975618, D80043, AW966029, D57483, AW964756, AV699550, D80253, AW973334, AW958993, AV718489, AW978661, D80164, AW966531, D80366, AW975621, AW959799, AV699447, AV718440, AW960465, AV720028, AW978634, D80022, C14331, AW958992, AV718770, AW965163, AW949641, AW973541, D59467, AW966022, AW965177, AW973485, AV718844, D51423, D59859, D81030, AW966041, AV719783, AW966013, D80391, AW966065, AV720464, D59787, D80166, AV722801, D80195, AW959570, D59275, AW978648, D59619, D80210, D51799, AW964488, AW960553, D80240, C15076, AV719822, AV720791, AW966054, AV720203, AV718692, AV720731, AW966050, AV719188, AW973307, D80227, D80188, AW966062, AV719324, AV718938, D80024, D59502, AW959597, AV718633, D50995, AW975605, AW962082, AV718800, AW965197, AW965184, AV720211, AV718931, AV719557, D80196, AW973474, AV723927, AV724520, AW959136, AW959062, AW964477, AW956434, AW949656, AW949654, AV699927, D59889, AW949642, AW959202, AW960532, D80212, C14389, AW965158, AW964737, D80219, AW949632, D59927, AW973482, AW965185, D80269, AV718530, D80038, D50979, D80193, AW966075, AW949629, AW949633, AW962245, AW949645, AV719468, AV718707, AW949657, AW965175, D59610, AW960473, AW966059, AW956397, AW949653, AW949646, AW949658, AW949631, AW965196, AW949643, AW949618, AW973488, AW949655, D80378, C14429, AA305409, AV720878, AW959469, AW975613, AV701004, AW973330, AV720812, AV721386, AW966043, AW966023, AW753053, AW959582, AV723097, AW973447, AW960504, D80241, AW960564, AV700889, D80045, AW975623, AW960570,</p>

					<p>AW96030, AW96045, C14014, T03269, AW17893, AW752082, AV700229, D51060, C75259, AV720654, AW973465, AW965176, AV742001, AV742667, AV701125, AV701335, AV701166, AV742430, AC012627, AC008554, AC011477, AC007204, AC024563, AC008626, AC2300, AX033851, A62298, A84916, AX027925, AJ132110, AR070327, AR018138, AX047063, AX047064, X67155, AX021518, A25909, Y17188, D26022, AX035434, AX020191, A67220, D89785, A78862, D34614, AJ302649, AX020190, AF058696, AX047062, D88547, AR008278, X82626, AR077702, AB028859, AX028130, AR025207, AR087649, AJ294956, Y12724, AF260572, AR074545, AB012117, X68127, AX015396, A82595, A94995, AJ287395, AR088705, AB002449, A85396, AR074141, AR066482, AR060385, A44171, AX042372, A85477, AR008443, I19525, A86792, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456, A26615, AR052274, AR054175, AR074139, AR066490, Y09669, A43192, A43190, AR038669, AR066487, AR074136, I18367, A30438, D88507, I14842, D50010, Y17187, AF135125, AR008277, AR008281, A63261, AX035429, AX035428, AX035426, X64588, AR008408, AR091537, AR062872, A70867, AR093385, AR016691, AR016690, U46128, D13509, AB033111, A64136, A68321, AR060133, AR087528, I79511, AR071754, AR064240, AB037923, U87247, AB023656, U79457, AF123263, AR032065, Z82022, A63887, X93335, and AR008382.</p>
HPMBZ40	26	711500	1 - 882	15 - 896	<p>AW104075, AA322168, AA318382, AW582134, AA59937, AA635043, AA309573, AA664669, AI890563, AA747333, AA083698, AI002831, F31565, AA327808, AA640478, AA307971, AA101115, BF438598, AV656583, T41261, AA962042, BE147478, AA614771, AA548695, AA179423, AA657363, AV709285, AI708675, BG121326, AI350430, AW393836, AW393837, AA083697, AA171770, AW393902, T59870, F21378, AA679905, AA515952, F20900, AA828709, AA179773, AA230071, AA327627, T58575, AA669666, AA340945, T73373, AA805827, AA328641, AA729868, F31199, AA729864, AW378613, AA182721, AA130896, AA364450, AA229102, AA299112, W32976, F29405, AA888657, AA328937, AA079176, AA383431, F33309, AA363495, AA328075, AW361074, AW059576, D11891, D51386, AA502814, AA507714, AA299168, AW582136, D11796, F17656, AW378614, BE747323, BF437529, AA746958, D55360, AA484708, AA767968, AA627228, AA507186, AI708996, AA082512, D52903, AI302193, D53594, AA329939, AA341403, AA827269, AA172100, T53280, AA748072, BF906802, AI302449, T53153, AA304439, AA341417, AA962113, AA522638, AA604015, T63562, AA484205, AA593695, N68907, T94322, AA501477, AA181035, AA181548, AA847052, AA583572, D12365, AA180490, AA507806, AI628828, AA630793, AU122870, AW276534, AW304926, AA622673, AA225033, AW270722, AW104696, AA578036, AA053440, AA773121, AA128815, A1679291, AW085649, AA621862, AW058229, AA736894, AA480608, AA665010, A1884565, AA321126, N31278, AA187890, AA244150, AA747111, AA191223, AW270043, AA593407, T50429, W52460, AA132470, D53323, AA328902, AA159715, D54432, W68495, AA167322,</p>

					<p>AI095409, AA084375, AA658827, AI358166, AI708254, AA187504, AA482748, AW780036, AA583520, AA157332, AA314043, BF197836, D50983, AA970585, AA143227, AA911880, AA927974, AA976810, AA977150, AA102191, AI798525, AA078950, AA102849, AA180190, AA224984, AI357051, AW873238, AA569578, BG223220, AI439429, AA029991, AI719781, AW089073, D53734, AI366916, AA310543, AA486614, W68360, AA665092, AW327769, AA100956, AA165275, AA804683, BF244443, AI301557, AA078973, AA315728, AW628061, AA657647, AA159647, D54122, AI857391, T57651, AA334959, AI676012, AW262217, AI523425, AI819822, D11511, AI708369, AA010340, AI300845, AA040455, AI338636, AI660588, AW069480, AA528259, AI707739, N22482, AI027315, AW006070, AA316160, AA187988, N75284, BE613193, AW327699, AA244151, BE645512, AA583926, BG026258, AA627191, AA954121, AA081362, AA182780, AW245982, BG230817, AI074945, AI080574, BG142239, AI719383, AA583480, T59580, N95296, AB007163, AR083348, A62479, M10939, X63237, S79522, AI136454, AC005291, A62478, AF058700, D83209, X81839, AC026473, U67931, M26882, AL357519, AL031664, AC010083, AL391114, AC007685, AC018764, AC004898, and AA180500.</p>
HLYPE52	27	732342	1 - 998	15 - 1012	<p>BF971932, BF237781, AW338866, AI963716, AA573832, AA987495, AW058614, AA128438, H51921, BF732971, H27808, H94212, AA993608, AI159855, BE872759, AI469694, AI828778, W69653, AW873554, AI688311, N77573, BE898545, AW601461, AI741570, BF831400, AA160897, H49117, AI348273, H27183, AA158489, H44990, H92982, BE884960, AV709626, AA159945, BF873908, AI795832, AI795829, BE140739, AI816555, AA846337, H28378, BF810845, BF813075, AI816592, BE140751, BE140728, W69654, AI984845, AI961817, F15634, AW954779, R72015, AX011711, AF035771, AR070449, Z50150, AF004900, U82108, AC005600, AB016243, AB014460, AB026489, AB026490, AP001038, AP001732, and AP001039.</p>
HTTEC47	28	745343	1 - 1010	15 - 1024	<p>AUI13137, AL133785, AUI17996, AI798884, AUI16829, AW847640, BE142866, AW836282, AUI20388, AUI21070, AV707591, BG170577, BF673669, BF345679, AW833146, AUI137603, AW833143, AV649129, AA683309, AW976291, AUI139654, BE144683, AUI14469, BE062166, BE144698, AW836280, AW902129, BG109731, AW813625, BE157028, BE158876, BF513132, AV731068, AV731522, AW833033, AV731034, BF746208, BF770900, AW833187, AW854788, AW832969, BF800480, BF929942, AUI22701, BF675777, AW813623, AW820037, BF830719, AW819804, AW819805, AW936057, AW819798, AW835724, BE066033, BF244129, AV731276, BF748007, AUI19706, BE009738, AW853622, BE066010, BF853047, AW820049, BF675045, AW820116, AW835725, BE066035, BF808065, BF997232, AV712125, AI246137, BG164408, AW819881, AW820040, AW820126, BF944744, AW819806, AW845700, AW877560, AW835642, AW853349, BF754324, BE780891, AW845696, AL045241, AL046683, BF964660, AW820052, AW833180, AW817951, AW819969, BE062378, BG104752, BF756986, AW820114,</p>

					AW819799, AW820115, AC022596, AL008633, AL359763, AL096803, AC020717, AL138702, AC024092, AC060232, AL161730, Z82211, AL022577, AL035464, AL035090, AL137251, AL133406, AL356022, AL033530, AL355390, AL121938, AC007179, Z82205, AL139395, AL049844, AL390023, AC024247, AC010175, M22334, AL080284, AL157360, AF064862, AF003535, AL034403, Z82899, AC008604, AL161804, AC048346, AC012082, AC002429, AC006479, AL030996, AK021593, AL133417, U65397, AL022144, AC004103, AC007090, AC013410, AL445143, AK024101, AL163281, AC008518, AC002072, AC010235, Z82212, AF126403, U93574, AC016751, AL135918, AC023481, AL158206, AL031054, AC022335, AL139229, AC007159, AL049562, U93572, AC003106, AL445196, AC004531, AL132821, AL135936, AC003990, Z73965, AL390022, Z81009, AC004954, AC007253, AC003091, AL033524, AL121933, AF196972, AL034427, U93563, AC005609, AC004673, AC012442, U93571, U93573, AF149422, AC004917, AC007785, AC008069, AC005993, AP001690, AL136307, AL049629, AC005739, Z81145, AL021069, AC020550, AL096862, Z79699, AC006079, AL356962, L81652, AP001671, AL133500, U93569, U93566, U93565, AC0078918, AL035258, AC008456, U09116, AL117191, AF248484, AC006070, AC015971, AC016623, AC003083, AC007204, AC007214, AC005686, AC008716, AL133249, AC005384, AC007558, AL109800, M22333, AC004029, AL161905, AC007000, AL109656, AC005823, AL359846, Z95400, AF148856, U93570, U93568, AC017089, L19092, L19088, M80340, AL121825, AC003085, AC022542, AC009262, AC004748, AL121868, Z82195, AC006383, AC008394, AC008178, AC002564, AL365276, AL035397, AC002523, AF064865, AL365508, AL136442, AC012472, AL445439, AC020647, AF127577, AC006559, U69729, AC007400, AC006287, AL020992, AL353587, AC004063, AL139109, AF110324, AC005230, AC008561, AC004058, AC024094, AC007488, AL136970, Z98751, AF149774, AL031665, AL365475, U93564, M80343, AL161659, AF036235, AC009319, AC022224, AL121755, AL445306, AL031115, AL353140, AL135879, AL121790, AL357153, AL121591, AC005994, AC008550, AC0078845, AC019212, AL008987, AF172277, AL133370, AL121943, AC005024, AC010461, AJ010598, AC006992, AC005915, M19503, AP002534, AF225898, AL033538, AL390035, AC004389, AL163207, AL109845, AC008436, AL359755, AL049555, AL121757, AC003098, AL049796, AC019050, AL109805, AL357507, AL136441, AL445192, AL049563, AL049828, AL109620, U93562, AC010176, AL136296, AC026888, AL050329, AP000347, AL139192, AL121900, AL163278, AC005201, and AL354777.
				15 - 442	AI929681, AW592729, AA648798, BG259038, AW250255, AW245532, AW651722, AW573263, AW250589, AI015535, BF031458, BF764886, AU124917, BF794818, AU125620, AU141564, AU142862, BF763514, AU125790, AU143619, AU120837, BE886545, AU125751, AU220039, BE258310, BE925039, BG005263, BF739929, AA024938, BE895457, BE383414, AA467947, BE276994, BF986402, AU125668, AA250731, BG251310, AU131885, BF219963, BF027149, T36005, BF218581, BE797690, AA211028, BE891460, BE885888, BF026383,
HOFMO90	29	746416	1 - 428	15 - 442	

					<p>AU143011, BG252532, AL536067, AL538416, AL518012, AA471174, BE727048, BE792076, BG121144, BF979650, W40299, BG026681, BE299425, AV749633, BE547012, BE902225, BF025777, AL040485, BF303752, BG169183, R17987, AL532385, BE538688, AL518448, AA471318, BE798701, BF307303, AA313413, BF306715, AA074578, BE122769, BF206640, Z41942, BE244339, AA181660, BF205625, AA196912, T35534, N56034, T74205, BE269688, BF304135, AA258411, BE385651, AA092564, BE156028, AF046001, AC005899, AB032196, and AB013357.</p>
HCHND34	30	762806	1 - 816	15 - 830	<p>AL538129, AL525022, BE872112, AII11183, AII14736, BE896548, BE877234, AII174851, AV705883, BE875361, BE881218, BE881076, BE880128, BE879304, AV706307, BE875412, BE874647, BE879135, BE877386, BE877647, AV729201, BE898937, BE881222, BE876531, BE875889, AV726346, BE878894, BE875858, BE876704, BE874520, AII133323, AII133348, AL513828, BE880711, AV728251, BE879909, BE876043, BE878122, BE877496, BE876719, BE874662, BE877268, AV706779, BE878178, BE879695, BE876425, AV729465, BE873343, BE891387, BE867307, BE877150, BE877004, BE874747, BE875792, BE878626, AII147501, BE870155, BE877131, AV729314, AII750078, BE876651, BE877390, BE880762, BE898750, BE873954, BE874215, BE877497, BE874926, AV693283, AV725309, BE877757, AV705995, AL048390, BE873478, AV725316, BE880690, BE878213, BE879455, BE892487, BE874003, BE876550, BE897096, BE898560, BE877488, BE880425, AV702923, BE875968, BE891700, BE874696, BE877643, BE879522, AII749163, BE876062, BE870577, BE897811, BE876098, BE877242, AV710316, AII065146, BE868548, BE896982, BE899424, BE880602, BE876884, BE868527, BE879775, BE869133, BE874445, BE875601, BE868532, BE874422, AII14553, BE878330, AII10700, AL036120, BE875438, BE869149, BE879302, BE877542, BE898986, AV726493, BE879410, AV706277, AV760899, AII14569, BE876037, AV721544, BE880237, BE876785, BE879859, AII133444, AV726351, BE879895, BE867317, BE878477, AV709557, BE877726, BE878238, BE880722, BE898371, BE880140, BE875261, BE877598, BE875955, AII13486, AA639334, AV706033, BE878677, AV708006, BE875918, BE878422, BE881146, BE868603, BE881693, BE877813, BE896992, BE895621, AV702580, AV714977, BE879413, BE877674, AII74902, BE879761, AV709615, BE875062, AV723290, BE881506, BE880977, BE875398, AV705696, BE543600, BE894635, BE880958, BE880950, AV723029, AW583759, AII14723, BE878900, BE878010, BE880947, AV721627, AA723026, BE868786, BE874402, AV707010, AII721239, BE875536, AV723395, AV702695, BE881638, BE879688, BE878173, AV659215, AV708355, BE880276, BE877271, BE876568, AII833114, AV721920, BE881057, AII10881, BE880427, AII207615, BE880442, BE875310, AII10734, AV759353, BE881359, AII14585, AV708529, BE878468, AV721831, AII609232, BG179400, AV722162, BE881594, AV722611, AV702323, BE878381, BE881411, BE878333, AII720161, BE895091, AII14699, AV706568, AV726110, BE880705, AV700257, AII733732, AW583569, AII133302, BE877616, BE894655, AII10877, AV721391, BE880758, AV706979, AV705894, BE878086, BE877479,</p>

HAMGI86	31	785328	1 - 653	15 - 667	BE879580, AV721794, BE873841, BE868332, BE875382, AV724988, AI133691, BE874084, BE894924, AV727742, AR083056, I27367, X54629, AX039612, X62996, V00662, X93334, L08441, D38112, D38116, AL359334, X93335, D38113, X93347, D38114, X97707, AF134583, AF175976, U35430, Y10129, X84075, AX026544, AF004341, AF175985, AF144745, AB005535, AC007282, Z79403, Z79419, Z79459, AJ252237, and I07623.
HLWCN67	32	794213	1 - 677	15 - 691	AL520509, BE407109, BE312514, AW294706, N23047, N28711, N23224, AW517021, AA039977, AA287636, AA286793, AW136370, AI362850, AA382819, BF684630, AW409954, AA312796, AI565859, AA312800, BF795529, AA382325, BF211504, BF184364, BF102863, BG106081, BF220088, BE279764, BE902929, BF239561, AI240475, AA229436, BE162216, AW590207, AW673504, BE538140, AA324312, U35117, U75488, A67520, U18422, S79780, L40386, AL080206, and A67526.
HOFAC09	33	806819	1 - 854	15 - 868	AW978308, AA369775, N53897, AA807270, W95818, W95857, BF724803, AI125532, BG117266, BF968973, AU128956, U69567, BF102704, BF965471, BE770768, AV758189, BF111890, AW274041, N55318, D45459, AA301769, AA434064, BF002861, C04552, BG001662, AI569610, AA610288, AW580433, AK002172, AF090904, AB020703, AX029226, U95000, AX029228, and X64411.
					BE739621, BE379183, BE617530, BG108163, BE619662, BE748774, BF570337, BE305001, BG249872, BF569120, BE612784, BE619823, BE271125, BE619946, BE617896, BE271060, BE300237, BE617937, BF966616, BE738551, BF340609, BF688981, BG257657, AV713811, BF974766, BE293496, AV717562, BE293387, BF689303, BF220284, BE748652, BE619923, AA642201, BF688590, AI174682, BE279777, AV715664, AA641148, BE299551, AV652787, AI174681, BF683366, BE747352, AA857839, BE872623, AV718269, AA640951, BG105683, BE778293, BE393602, BE546109, BE250635, BF982878, BE531162, BF570115, BG178614, BG179165, BG163531, BE531088, AV717782, BE613177, BE902527, BE271042, AL514500, AA858434, BE738219, AA837571, AV685977, AV756374, BG034916, BE740524, BE262924, BE378440, BF984231, BG029312, BE388222, AV684312, BE748508, BG256740, AV702438, BF237938, BE408065, AI817627, BG163462, AW001149, BE622882, AU128631, BG180980, AV688195, BE260549, BG255882, AI708325, AV684830, BE881395, BE788254, BE787490, BE249917, BE909118, BE305209, BE735960, BE397738, BF982126, BG256362, BF686276, BF237724, BE559874, BE266498, BF059086, BE251388, AA632140, BE787304, BE300231, BE293776, BE547987, BE439558, BG250330, AA642980, AV698344, AV715876, BE794978, BF125097, BE793931, BG256096, AV685452, BE388457, AA857476, AW149599, BE889684, BE617898, AV714051, AV688156, AV684821, BE619643, AV717638, AV717113, BE737518, BE545839, BF965676, BE748476, BE250538, BG029641, AV645505, BE736394, BF983033, BG027429, BE745157, BG180061, BG113341, BE512833, BG168282, BF696011, BG118147, BE394485, AV716748, BE728375, AI749591, BF340890, AW001147, BF184101, BE250051, AA551057, BE903863, BG114266, BE305190, AV709267, BE293782, BE549134, AV714025,

HRDEL61	34	824886	1 - 810	15 - 824	<p>BE787082, BE867785, BE293862, BE270866, BF241730, BF726447, BE293418, AL515432, BE549236, AL048321, BE250128, BE547824, BF686567, AV704265, AV689285, BE746994, BE305240, AA641228, BG122667, AL047780, AI114669, AA551126, AA663427, AI816286, AA628465, AW170178, BG180666, BG254849, AA573113, BE408039, BE256744, AW327938, BF036883, BE249983, AA573126, AA307742, BE513000, BE540263, BE781757, BE785532, BE745552, BG255393, BG248626, BF345711, BG028606, BE786948, AV685448, BE742152, BG114313, AI660952, BE788601, AI826591, BF317338, BE903912, AA146900, BE618614, BF314522, AA961746, AI246524, BG109603, AA603104, BE797431, BE730353, AL513894, BE548848, BF212989, BE614351, BG179616, BE379047, BE542702, AI660290, BF793939, AI066797, BE907279, BE260599, AI890877, BE740911, BG164827, BE300246, BE267892, BE538628, X15096, Z29530, X15267, M17885, AK001313, AF013214, AC004263, AL133163, AF044496, L28704, AB007187, AF162483, AF132973, and AF155662.</p> <p>AI696793, AW162288, AV703259, BF821897, AI358089, F13749, AW819125, AV726885, AI963720, AV701116, AA071334, AW419262, AI821881, AI821918, AW504224, AL046409, AI745151, AA654781, BF750422, AA579179, BF821009, AI284640, BE301111, AI431434, AW410402, AA533033, AI076236, BF529327, AL120343, AW979204, AW406755, BF767028, AW753399, AA715814, AI358229, AL079645, AL037910, AA659627, BF668217, AW518220, BE138594, AL046746, AA410788, AW500684, AW021116, AW500029, AI755214, AI754105, AA581903, BE062729, AV764259, AI754567, AI613280, AW504686, AW858127, AI537538, AI623764, BG236628, AW872676, AI431303, R59567, AW504297, BE676915, AV740009, AV710482, AW673221, AI732151, AW575165, BG000961, AI133164, AW576251, AV761519, AI821714, AI792133, AI791913, AW970877, AW975049, AW157005, AA563770, AW276827, AW964231, AI733856, BF916934, BF589066, AI623423, BF678990, AL118991, BF677892, AA657835, AI620585, AI610920, BE049229, AI049676, AV735495, AA610491, AI281881, AW023111, BF805088, AI783911, AV761745, AI270117, AI636627, BG036665, AI821785, N23260, AW089589, AI457397, AI028510, AA878149, AW501806, AI306647, AA603323, AI054333, AV710066, AV742057, BF915247, AI963221, AV763583, AV761810, AW271917, AW833862, AW089322, AI017251, AI251034, BE300580, BF942454, AL134330, AW193265, BE139139, AW081194, AW499745, AI732764, AC002350, Z85986, AL136984, AL035701, AP000557, AL157877, U85195, AF047825, AC004983, AE000658, AC007957, L77570, AC004536, AC005899, AC007850, AC007537, AL136443, AC011449, AL137070, AL139039, AL133551, AC004985, AL121871, AL031053, AC005522, AL078614, AC023490, AC010463, AC008924, AL035071, AC008821, AC016655, AC007620, AL136097, AC008123, AC025588, AL354696, AC005086, AL137139, AI739027, AL138828, AC008745, AC016898, AC055740, AC006057, AC004804, Z72521, AC006368, AC011464, AL133163, AL136317, AC004253, AL080285, AC011510, AL136296, AC010977, AC020910, AC010419, AL109804, AP000311, AC010087, X62357, AC018755, AL445195, AC006285, AL365505, AL357560,</p>
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HDPOR60	35	828176	1 - 3339	15 - 3353	BE907538, BE250250, BF311047, BE906254, AV726530, BE304645, BF525388, AW959258, AW954291, BG118078, A1051611, BF916882, BE719457, AW966732, BF732249, BE719459, AW390157, A1150165, BF923015, A1928260, BE779329, AA457484, BE818400, A1188780, A1524627, BF329818, AA609346, A1184768, BF733484, A1348486, BE671307, A1598015, BE818415, BE764192, BE717662, BF733491, BF733492, A1674848, BF886247, BF886242, AW197044, BF888665, BF888510, A1369052, BF888666, AA984504, BF513927, BF888512, N58740, BF888662, BF888671, BF812194, H27264, BF888524, BF377972, AW080528, AA458747, BF371802, BF377969, BF093530, BF888530, BF376487, AW025603, BF885116, BF766670, A1283519, BF888682, N90132, BF081241, BF093542, BF872063, BF377968, BE818399, BF093531, BE872720, BF093535, AA652251, W16733, BF093536, Z43110, BF093539, BF934232, AW294491, BF884943, BF093532, BF093543, AA813169, A1905629, AA229779, H14451, BG012148, A1692605, R50198, A1126253, BF093546, AA865539, AA341212, BF885117, R83103, BF089975, BE938102, A1886490, AA385992, BF081230, A1685596, H70564, BF762747, H50721, AW087793, BF352676, A1364918, BG013986,

Z39199, BE764158, H28604, H50828, AI310339, R83044, BF764697, AA150304, AW674742, AA295511, R50143, AI499852, H75304, AA709057, T36284, BF888676, AA151406, BF889242, BE148070, AI334202, BE935304, N72650, BE935305, AA765395, BF935410, H75551, AI963154, BF093538, AA151405, BE935592, AI765336, BE763414, R08139, BF929226, BF093545, AA229882, BE818437, BF888516, AW675325, BF334977, BF848924, AA603025, AA054715, AL118825, AW368110, BF333239, AW296910, BF115534, AI831921, AI762572, AW016455, H39887, AI215641, BG002605, AW374091, BF993858, AI566630, C01027, BG058415, BF793891, AI040241, AW162194, BF814357, AW827173, BG165879, BG026389, AI043321, AI929108, BF814761, AW268759, AV752436, AI589428, AW087445, BG029829, AA730984, AW268937, BF965053, BE138374, AL045774, AL513823, BF766529, AW834325, AW274343, AI538850, AW274318, AW328117, AI345415, BG029667, AW274084, AL514219, AL110306, AW160376, BE729058, BE728516, AV714107, AI799344, AI801325, AI915295, BF885082, BF811808, AW023338, AL513907, AI924971, AI538885, AW020397, AI554343, F35882, AV736808, AI537677, BF892007, AW051088, BF089679, AV681848, AW303074, AI251221, BF751355, AW152536, BG120706, AI866465, BG119547, BE877142, BG170430, AW163834, BE138679, BE878014, BF886214, AI926593, AI349964, AI536685, AV681885, BG109270, AI698391, AX011645, AF151799, U73638, AK026219, D84344, AF013710, AL137529, AK025391, AK026647, AK026542, I48978, AF131773, AL359600, AL080148, AK025254, AK026590, AL122121, X80340, M30514, AL050155, U96683, AF158248, X63574, E04233, AJ003118, AF126247, AB050510, AL133640, A08910, A08909, AK025092, AK027188, L13297, A08908, AX045627, AF113222, X84990, AR011880, I89947, A08913, AL122111, AK025375, A49139, AK000291, L40363, AR038854, AK026086, AK026749, AF177401, X98834, AL096720, AK027113, AF116644, AK000636, AL137459, AF321617, AK026927, A18777, AF031903, AF119865, AF143723, AF217991, AF061573, A21103, AF130055, AK026480, AF111849, AL442082, I32738, X72889, AK024524, AB007812, A93350, AX020124, A07647, AL359620, AL389935, AF116631, AF218031, E02253, AK024538, I33392, AK025339, E01812, A08912, AF262032, AL122093, AL133606, AX010492, A23630, AX026824, AX026823, A58524, A58523, I89931, AK026959, AB048975, AF119856, AR087170, AF111112, Y10655, Y10080, AL389939, AY007109, AK026583, AL390154, AF218034, AL110221, AF130099, AF090900, AL137533, U35846, A93016, AK027116, A77033, A77035, U78525, E02221, I48979, AL133665, AL137294, AF077051, AK026534, S61953, AL162002, AF113690, AL049464, AL137555, AF085809, A08916, AJ000937, AF225424, AK000421, AK026532, AB016226, E07108, AJ005690, AF175983, AK026592, AK027096, AL389983, AK026626, AB049880, AL359601, AF242189, AL133016, AB049758, AL133568, AJ012755, AL137267, AK024546, S78214, AL080124, AF130104, AL359941, AF028823, AK026597, E12580, AL353957, AL162006, S77771, AK024855, A45787, AL133031, AJ006417, AF242525, AK026462, AL137271, A15345, AL137463,				
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HPRTS71	36	828574	1 - 1032	15 - 1046	AW118056, AI800662, AI589171, BF591232, AI188335, AW082251, AI818095, AW021236, AW591559, AA648866, AW246660, BG230460, AW452998, AI083735, AW835356, AI167977, AW468639, BG109889, AI470164, AV651830, AI334390, BE673379, AA741201, AL523450, BE070373, BE070459, AA643779, BE070441, BE548231, BE696414, AI248596, AW062368, BF055036, BF111561, AA614258, AL037459, T92093, AI420092, BF741961, N79460, AW393612, T92929, AA649698, AA716590, T93045, T29513, N98655, BF089688, T98007, R28667, AW974688, AI470059, BG179958, AI520746, T92007, AW514438, AI565207, AI252942, AI014682, AI276530, AA707158, AW580299, AA847513, BF803888, AI24129, AV747633, AA452013, AF305057, D00596, X89602, and X67098.
HOHB190	37	828862	1 - 405	15 - 419	AA021223, BE548133, AL045143, I15526, I15525, M76125, AC011510, X57019, X59560, X63535, and X66030.
HOHAL47	38	828872	1 - 907	15 - 921	AUI32881, BF220328, R87908, BE613810, AW250257, AA931266, AW015928, BF095373, BF909602, BF095352, AW502696, BF796996, AA370819, AW502753, BE327008, N49168, AI800258, AI738786, AI651019, BF431451, BF891293, AI341119, BE464154, R87900, R87888, BF761409, BF761414, BF761411, BE672137, BF766414, BF761395, BE551754, AB020866, L27841, and AB029291.
HYASE58	39	829298	1 - 820	15 - 834	AL520115, AL520114, BG249568, BE858532, AI719186, AL524961, AA978354, AI963126, AW168149, AI016474, BE464809, BE541556, AW274265, AA126722, AA948354, N95214, AA779559, AI143841, AA988766, BF109578, AI052155, AI057145, AA868690, AI123988, AA862955, AA531469, AA565025, AI040746, BE315358, W58681, AA883150, AW973071, F27739, AW469738, W25247, AA677158, AA136191, R72558, AA137218, BE774145, BG163522, AW804292, T85571, R06411, BE559994, AI369527, R06410, BE931292, W58682, T85572, BF984740, AI202246, BE771601, AW204406, T98604, T98605, AA126819, BF804866, M29971, E02953, X54228, M60761, M31767, M84524, S61804, M76704, X54862, X65081, AL355531, S52068, S52071, S52289, AR040785, and X61657.
HKA AH95	40	829958	1 - 569	15 - 583	BF968527, BF972443, BE888293, BF245922, AI432365, BF984449, AI376939, AW959079, BF111350, AI809862, AW967166, AI708626, AA743821, BE274422, AA316016, W31195,

HTTIQ02	41	829981	1 - 440	15 - 454	<p>AI800592, AI475502, AI693918, AI709386, AA788752, AA554691, AI077974, AU150242, AA082177, AA308664, AI129002, AW963595, AA815094, AA064826, AA826696, BF109200, AI830845, AW959077, BF687634, BE879836, AA133252, AA757359, AA064769, AA129757, AA187005, AA527421, AA760765, AI300800, AA650536, AA100960, AA083271, AI185271, AI015127, AA805805, D53222, AI244634, AA873340, W38586, AA372743, AA357610, AW151779, AW006731, AW592333, AA533279, AA372493, N90200, BF326039, AI434196, BE168715, AW804095, AA303407, AA303583, D30971, AI023237, AA188378, AA876652, AI074752, AA721457, AI880398, AA935370, AA079099, AA313040, AA226394, BF326038, AA091473, AA045674, AA302617, BE815031, AA045675, AW117957, BF326043, AA083230, AA249292, AA385455, BE004885, AA216127, AA523135, AA079126, AA724213, AA766192, AA902562, AV759831, AA491262, AL110170, D17041, AA527902, AA632078, and AA769476.</p>
HWACG91	42	830195	1 - 647	15 - 661	<p>AU133091, AU142098, AU141602, AU134034, AU135799, AU141415, AU136549, AU141554, AL520149, AU141624, BF309998, N44941, AA165467, BG164969, BF305751, AA370928, AI025054, BE544595, BE297897, BF203543, AL047272, AA490707, AW998147, AW998144, BE719597, AV650018, L19871, U19118, and M63282.</p> <p>BG033793, BG255945, BG259666, BE730050, BE794184, BE280411, BE262457, BE407137, BF974510, BG260129, BE387574, BE250058, BE729393, BE900244, BE280432, BF317365, BF975884, BG255124, BE384164, BE875157, BE275535, BF697620, BE249873, BE729424, BG104941, BF528476, BG178885, BE389393, BE742299, AA160739, BE279276, BE730823, BE730234, BF696116, AI905415, BG169584, BG248765, BE409699, BE409459, BE383471, BE279295, BE514728, AI693883, AI906409, BE733527, AA133328, BE734917, BE747004, BE778282, BG120073, BG116573, AI906399, BG252353, BG250627, BG115053, BF205427, AA932527, BF974800, BF976607, BE275617, BE747869, BE258222, BE899354, BF667612, BE732117, BE394529, BE019949, BE255854, BF663000, BG115598, BE270894, BE877328, BE894791, BE742367, BF981923, BG025205, BE270877, BE313842, BE277239, AW246075, BE731739, BF689778, BE266619, BG122027, BE275677, AW327437, BE958080, BE293564, BE741359, BE279606, BE262807, BE731616, BE278518, BE797742, BE280931, AI906381, BE259001, BE620197, BF342810, BE278592, BE269494, BG033349, BE799713, BE252649, BE790350, AA069850, BE744820, BE731628, BE958554, W28216, BE269344, AW246351, BF665331, BE409170, BF346422, BG025476, BE892710, BE251197, BE729414, BE395317, BE747019, BE379494, BE535406, BF980658, BF309487, BE910196, BE795220, BG260707, BG255740, BF310723, BE265360, BE297749, BF311424, BE409537, BG165401, AA186725, BG034975, BF310637, BE744823, BF339822, BE883169, AW675050, BE884838, BE275911, BE394260, AI905506, BE736798, AA131028, BE296169, BE385509, BE735183, BE273644, AA160637, AA157966, BF796949, BG171791, BF103552, BE278910, BE735411, BG260083, BE895233, BF206952, BE264220, BG255060, AA313667, AA076309, BF149164, BF797136,</p>

					<p>AI809346, BF794443, BF309985, BE793349, BG248853, AA159110, AA190534, BE262091, BF128662, BE536828, BE251454, BE263943, AW662648, AL038584, BG255561, BF696737, BE792806, BF313073, BE742815, AA101958, BF792436, AI906370, BE206810, BE889820, BE898859, BG165862, BF315593, BE255244, AA113902, BG122753, BE897628, BE727594, AI218219, BE746344, BF055113, BF725362, AA587341, BE382571, BE277151, BE262004, W74583, BF725096, BF315746, BE388410, BG117808, BF304116, BE274326, BE728690, BG116304, BF315671, BE875140, BF983277, BF308437, BE875834, AA158902, AA155696, BE733144, BE537657, BE293648, AA158943, BE875741, BG120928, BE410167, BE391803, BE251603, BE729093, H69946, BF663924, BE393117, BF972713, AA182917, BE780890, BE394391, BG031646, BF797457, BE315191, AA643715, AA299820, AA364873, BF985994, BG122761, BE253108, AF275719, AX047377, AL136543, AK025370, J04988, AL139392, S45392, AC006226, AL353581, AF288819, and AC013410.</p>
HUFBX52	43	830497	1 - 1969	15 - 1983	<p>AL513910, BF338363, AI799888, BE392997, AW316671, BE044614, AL042665, AA114835, BE394176, BE857118, AA114976, W51953, AV702013, AI972232, BG025156, BE673213, W52502, AW205785, AW137401, BF879476, AI498690, BE504635, AI870560, F33285, AI696138, BF847455, BF847461, H42144, AW797536, AW580466, AI383137, BE504647, BF194734, AW291200, AI567040, T58430, AV707626, AV705123, AV702887, AV705196, T58462, BG104539, T29553, AV705977, AI972231, AI951152, AA593693, AW873877, T47089, AA393219, AA036671, N77388, AV706493, BF093800, AI686156, AV703987, AA575857, AW959494, AV702830, AV701517, H42145, R00971, T47088, AA063592, D11534, R00972, BF826969, BF345006, BF766206, BE840120, BF378651, N52428, AV707224, C01052, U24488, M25813, X73959, Y11915, X87243, AL049547, AF077974, S38953, U89337, AF019413, X71937, L26263, AB010266, AC006289, AF030001, AF049850, AB015623, M83939, U24489, AF086641, M12792, M12793, M17252, M26856, M28548, M26857, M13936, M13935, M11267, M12918, M64933, AB039881, U56853, U56854, K03234, M92836, and M15009.</p>
HWLJE49	44	831453	1 - 510	15 - 524	<p>BG251415, BG027650, AV716313, BE744852, BG168126, BE875004, AV712837, BE563257, BF183014, BG113939, AV701796, BG260019, BF244649, BF974779, BE740291, BG114363, BG035325, BG027799, BG169309, AV722365, AV712753, AI887549, BG027575, AI076353, BF725392, BG167147, BF663267, BG059083, BE300764, BE742593, AA806402, AI682046, BG027579, BG255168, BE906641, AI188649, BF967533, BE513190, BF182834, BG180632, BG113207, AI144531, AI149488, BF345318, BE675790, BG026111, AL048205, BE207355, AW277103, AI612881, AI761676, AI299022, AI270732, AA308274, BF575148, BE379881, AW005575, BE675232, BE729684, AI302970, BF684952, BE259873, AI748792, AI832372, AI342462, BG255930, BE728928, AW304345, AI917533, BE388883, AA308142, AI270352, AA315030, AA314014, AI720893, BE208370, AA181838, AI370898, AA314940, AI735477, AA316359, BE909454, AA582161, AA313264, AV705734, AA316330, AW338556,</p>

BE730906, AW054848, AW270408, AA316482, AL048204, BF684518, BE730368, AA128653, BF182887, BG248959, AA622771, AA708600, AA316966, BE388426, AA552413, BE907370, BF210707, AA316871, BE730617, F20821, AA316230, AA059344, AA608518, AA778388, BE785770, BE408695, F22738, AI735055, BE729560, W42494, AA314690, AA186781, N57485, AA316119, AA151389, AA188023, AA315181, BE794778, AI571338, BE906523, AA308375, AW873255, BG180555, BF346776, AA501758, BE905876, AW084031, AI686866, AW151692, AI215740, BE281427, BE336892, BE905158, AA315858, BG026639, AI720163, AA622853, AV706793, BF183311, BE908893, AI911854, AI493715, BF687562, BE906127, AA186572, AI566835, BE910116, AI832383, AA314578, AI366934, BE568026, AA972504, AA128640, AA525827, AA128773, AA085915, AI348494, BF965570, AI365423, BE620091, AA315026, BF033646, AA603482, BF237816, AA100923, BE567357, AA316175, BE877679, BE875309, AW474408, AI131330, AI750155, BF197849, AW514308, BF031710, AW152644, AI805579, AA308360, BE139178, AA314770, AW273529, AA433942, AA316292, BE277552, BF594096, AI189776, BF218001, AI828326, BF683513, BF742692, AA622714, AA731831, AI635850, AW269457, N90290, BE744229, AI832624, BE264621, AA496683, AA152205, AA315287, AW271995, AA157114, AI927800, AA186785, BE18645, BE818699, BG150784, BE830831, BE838249, AW769523, BE838220, BE818680, BE830833, AA625916, BF028970, AA508592, AA285319, BF340636, BE818664, AI859361, BE830840, AA100249, AA187300, BF685686, AI081408, BE818690, AA873184, AW268506, AA102595, BF208160, AA148426, AI079753, AI610890, BE907035, AA315876, AW861114, AW080650, AA148425, AI200434, F26435, AA128843, BE838257, AX014347, AX014162, MI4300, MI8981, J02763, X66449, M37761, AX038700, X52278, D10885, U31867, AJ132717, U76365, U04815, X05699, AB031064, AL442082, I89947, I48979, AF090900, AF090903, AF130092, AF113019, AF116631, AK025084, AL110221, AF116691, AF116646, AL049314, AF118070, AF111851, AR079032, AL157431, AF116688, A08916, AL162083, AB041801, AF130104, AL050149, I89931, AF119875, AL122050, S68736, S78214, AL133640, I48978, U42766, AF017152, AF090934, AF113677, AF119878, AF113699, AL133075, AF130082, AL050277, AF113694, AL110196, AF130059, AF130105, AL050116, A08913, AL390167, AL133557, AL133016, AB049758, AB048964, AL049452, AF111847, AK025339, AF106862, AK026741, AF116644, AL050393, AL122123, AB048953, Y11254, AF218014, AK026744, AJ242859, AF130075, AL117457, L31396, L31397, AF119899, AK026865, AF090901, AF113689, Y11587, AK026045, AR059958, AL117460, X84990, AL359601, AL389982, AF090943, AL050108, AF116639, Y16645, AK000212, AF078844, AF116602, AF113690, AF118064, AK026855, AL080060, AF090896, AX046603, AL389978, AJ000937, AB047615, AF113676, AL137527, AF091084, AX019230, A93016, AF158248, AL137550, AF113691, AK026608, AK000083, AL080124, AF138861, AL049938, AF113013, AL359596, AL162006, AL442072, AL133565, AF104032, AB019565, AX006092, AL122121, AL049466, AF125949,				
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					AL050146, AL133606, AX019229, AK026784, AK025772, AF314091, AL122093, E03348, AF116649, AL133093, AK025958, AF219137, AL080137, AF207829, AB051158, AL133560, AK027204, AL137557, AK000618, AL096744, AB047904, AK025092, AF242189, X82434, AF146568, AK027096, AL137283, E07361, AL133080, AF079765, AK026592, AL137459, AL359941, AL359618, AB048954, AF125948, AK000137, AL353940, X63574, AL110225, AL117394, AK000652, AF017437, AK026533, AL049300, E02349, AK026452, AF116682, AK026542, AK026927, AR087170, AF177401, AL051138, AK000445, AK024538, AK026583, AF119909, U91329, A65341, AF225424, E07108, AR011880, AK026504, AK026647, A08910, A77033, A77035, AL359615, AF061943, AK026086, AK000323, AK000718, AK026532, AK026534, AK027113, AK026959, AK025491, AL050024, AB052191, A08912, AL049382, AL133113, AL049464, AL117583, AF183393, AJ238278, AF260566, AF097996, AK025967, AL117585, AF067728, AX042059, AB052200, AF271350, I03321, AL117435, AF175983, AK025414, AL049430, A08909, AF130077, and AF118094.
HLQBT44	45	832454	1 - 735	15 - 749	AA745837, AI554448, AI830118, AA928341, AA669073, AA630270, AW304776, AI418823, AA630539, AA614639, AA701987, AA507015, AA775672, AA577574, AA947337, AA425865, AA740316, AJ925815, AA872373, AA481869, AI287247, AW170694, AA058866, AI141303, AI686727, AA482053, AA456568, AI984134, AA481821, AI251811, AA779177, AA496675, AA938571, AA894451, AI052452, N63977, AA524693, T57094, AI357992, BF594112, AA523604, AI288447, R92183, AI539613, AW194037, AI689207, AA455766, AW129939, AA410742, AI278744, AW805186, BG011966, AW071224, T68990, AA425994, T71879, T58711, AA775671, BG010690, AA235744, H93778, AI631122, AA668735, BF447423, AI933935, AA034382, AW801283, AW801602, AA627657, AA057664, AA551804, AI918451, T71878, T50658, AV692045, AA034383, T72829, C21135, AW515583, AI114853, AI245066, T72828, BF941121, N80768, BG010676, AI141304, AW393623, AA477973, AI803211, BG013596, AI494106, T25929, AW004686, AI500081, BF908767, AW842027, BF909560, BF868853, BF908693, BF909563, BF911325, BF868849, BF908765, BF801119, BF848926, AW243946, BE173882, AW878618, BE001388, BE079012, BF890845, BE073329, BF942940, BF990699, AA400639, AW843089, AW833203, BE166207, AI708714, BE676937, BE085445, AA810087, BF908691, AI039389, BE737951, BF908768, BF911435, BF909425, BF810304, BF909434, BF909438, BF733544, BF848896, AA577947, BF845946, AA559987, BE079182, BF896106, BE079011, AW898529, BF926033, BF874446, BF874408, BF987376, AA577987, AW884119, BF868852, BE146291, AA578162, BG002961, AW176716, BE001389, BF909558, BF908760, AA559135, BF875608, AA558407, BF943834, BF943838, AA504031, BG002880, AW797672, AW014901, BF875343, BF8707164, BF934749, BE094775, BE072043, BF905359, AW898530, BF943835, BF878034, AW840660, BF990659, BG002963, BG002966, AW875187, BF762630, BE083383, AW878617, BE085444, BE828029, BE077159, BE075548, BG002874, BF990679, BG002969, BE079010, BF846180, BE094456,

					<p>BF911326, AW839030, BE183543, BE148811, BF838588, BF875612, AW793897, BF874402, BE075582, BF942943, AW869494, BF942939, AW796714, AW850761, BE698162, BF899584, BG003356, BF990667, BE071701, BF755593, AW793842, BG002960, AW850608, BE069882, AW876913, AW899524, BE152211, BF909561, AI094378, BF990669, BG002976, AA572780, BF987365, AW842761, BF807161, H20370, AW899525, AW905142, AW878382, AW860057, AI039720, AW603507, AW900160, AW860058, AW855931, H46872, AW850175, AW842714, BF874887, BE094492, BF130497, BE048291, BF876370, BF875598, BE280118, BG002875, BG002962, BF808094, BF805281, BE149153, AF019413, X04481, L09708, M15082, AL139099, AL353733, X04252, X01037, X04248, AB021174, X04249, X04250, M20910, V00477, X04251, X04254, AC055740, AC019176, A75246, X04211, AL132988, AL136303, AL133230, AL357153, AF131216, AL135749, AL031295, X62364, AF317298, AC002464, AC004019, AF109906, AF068289, AC012005, AL078602, AF113677, AR083266, AK000432, AK027160, AL137478, AK026504, AL162008, AF067728, AX042059, AK026542, AL442082, I89947, AF116631, A08916, AF155148, AF119909, AR011880, AF130055, AL137550, AL353956, I48978, A08910, AK026947, AF130105, U42766, AL122049, AF119875, U58996, AX020124, AL162083, Y11254, AL049314, AK026784, AL117457, AL122118, AF090901, AL050138, AB051158, AK026592, AF130099, I66342, A08913, S61953, AL049466, AF090934, U67958, AL122050, AB048974, AF119865, AF113690, AK027164, AK025798, AL359601, AL137294, AK024538, I89931, AX019230, AL117435, U35846, AF032666, AF087943, AF210052, X84990, AL117585, AF061795, AF151685, AL137533, AB052191, AL157479, AF017152, AF090900, R28997, and AA640968.</p>
HSLGG58	46	833088	1 - 1532	15 - 1546	<p>AL529745, AL521111, AL521110, AL530765, BG035239, BE741863, BE868745, BE783786, BG115436, BE743770, BF980935, BF032529, AA927626, BG170791, AI360106, BE792111, AI859705, BF515765, AL530323, AI696973, BE673724, BG059565, AI889305, AW194003, AI435237, AI015554, AI425058, AI653782, AI674150, AI292242, AW008174, AA443658, AI052216, AI689404, AW302350, AA682485, AI039198, AA069797, BG055892, BE740312, AA929022, AI559492, BF966723, AA507307, R89566, AA702532, BG055961, AI355925, AA436762, BF083167, BF083176, AW304693, BG152337, BG055803, AA447045, AV743176, R88883, AA069844, AW015302, N62841, AA340462, BF917627, HI2262, AA700417, AI866372, BG222934, AA554984, BG036915, AW075240, AI364688, N77748, AA937871, AA507304, AV735802, AW263377, AW960326, BF038245, BF311363, AA770456, AA657774, AI904488, BF530542, AA327748, AW390282, R85655, AA609069, AW188781, BF885085, AL036980, BG165051, AW302992, AW673679, AW673635, AW268067, BE972180, BE964661, AV706744, BG105895, BG163618, AW946806, BG122481, BF343568, BG151247, AI336633, AI829327, BF764538, BF339594, AI349957, AW150511, BF816037, BG257535, BE886728, AI340627, AI433384, AI357316, AA830821, AW302965, AI620284, BE965121, BF884999, BE047952, AI500662, AI783504, AL036396, AA640779, BF344691,</p>

<p> AI582871, AI680498, BF338002, AA572758, BF904180, AI623682, AI340519, AW074869, AW827206, AI537677, BE964497, BF970449, AL038605, BE905749, AA420722, AL048656, AI538885, AW269097, BE963838, BE964614, AI306613, BE965192, BF793370, AI336495, AW813006, AW169653, AI801325, BF885000, AW074993, BG113299, AI349614, AW071380, BF822127, BF826445, AW238730, AW827276, BE965481, AW151138, AL041220, AI349256, AI312152, AI312428, BE968711, BF924882, AW075084, BF343363, AV760102, AI349937, AI349645, AW105601, AI499512, AW834325, AI334884, AI307543, AW268253, AI307734, AI307708, AI348917, AI312325, AW089179, BE966011, BE048087, AI468872, AI567637, BE965067, AI307520, AI364788, BE789764, AI348897, AW081255, AI471361, AV757639, AV682849, BE964876, AI567385, AI269862, BF038134, BG112879, AI345005, BG256090, AL079963, BF812960, AI272116, BG109270, BE047852, BF812938, AI274759, BF814541, AW021373, AI874166, BF970652, AF096304, AF023676, AF096303, AF048704, AK024538, AL122050, I89947, I33392, A08916, AI2297, I48978, AB041801, A08913, AK026542, AK000391, AF217991, AL359596, L31396, AK026629, AF116639, AK026086, AF116644, A08910, AF119894, AF118064, AF118070, AK026744, AL157431, L31397, I89931, AL049300, AL137648, AR087170, A08909, AF119871, AL122093, AL080127, AL110221, X96540, AB049892, Y11254, AI242859, AF130059, AB047615, AL137459, AL137550, E07108, AF113691, AI137526, AI8777, AF130075, AK026600, U00763, AF056191, AL049430, AL390154, AF118090, AK025798, AK026592, AL122045, AF130077, AF125949, AL133077, AF314091, X70685, AF175983, AL049464, AF097996, AF119875, AL133081, AF242189, AK025254, AL110225, AL117394, AL133113, X98834, AK000718, I48979, AL080126, AB048964, AF116610, AF218014, AL162006, AF166267, S78214, AF090896, AL137271, AL137556, AL133557, AF017152, AL137521, AF091084, AL137429, AF130066, AF017437, AF090943, A65340, AX046603, AK026353, AL049314, E02349, AR05958, AK026452, AB049758, AL050146, AF130110, AF207829, X63574, U72620, AL137463, AK025967, AF113699, AK026947, AX014095, AK000083, AK025092, AL117585, AF199027, AL442072, AK025484, AF116682, AL133560, AF078844, AF116691, AX019230, AL162083, AK000618, Y16645, AL137557, AL133093, AB048953, AL110196, AL133080, AK026583, A90832, AF119909, AK000647, AK027204, AJ238278, AF090903, AL050149, AL050108, AL353940, U42766, AL389935, AF113690, AK026855, AK026522, AK027213, AK027200, AF130087, AF125948, AF113676, AF138861, AF158248, A08912, U80742, AL133606, AL122123, AF061943, AL137283, AK024992, AL049466, AL049283, AK000432, AF111851, AK026741, AK000212, AB047904, AF090900, AL117457, AX006092, AX019229, AF116631, AB034701, AR038854, AK027102, Y10655, AF146568, AL080159, AF113019, X82434, AR083266, AF113677, AF118094, I09360, AF067728, AX042059, A08908, AF130054, X84990, AK000753, AF130099, AL359615, AL133568, AK000486, AL050393, AL117435, AL110222, AL133565, AL389982, AK026532, AX026824, AX026823, </p>				
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HCHBQ33	47	840756	1 - 507	15 - 521		<p>BF983424, BF211760, AW157053, BF684202, AW162417, AW162988, AW162603, BF026414, AW157332, BF683334, BF976126, BG032643, BG163354, AW156922, BF974967, BF975973, BF685471, BF969890, AIG80129, BG249316, AW157397, BF203227, A1283030, BF797083, BG113896, BG025992, BF969919, BG027552, BF794777, BG029512, BE409260, BF965750, BF338609, BF972865, BF972470, BG106216, BF310371, A1625563, BE314799, A1499186, AW157806, BG142254, BF316903, BF343200, BG033251, AV752124, BF796091, BF315655, AU119393, A1887440, BE794493, AW276357, BF310677, BE786311, BG165212, BF969189, AA314895, BG024853, BE777933, AU126898, BF726955, BF342583, A1090099, AU126739, BG253776, AW029096, F24940, BG057843, AW118506, BG110794, A1928061, BE742652, BF727358, AW160561, BF974254, BE797276, BG059640, AW966494, BF337295, AA583793, A1475867, BF313677, BG142263, BE792984, BE019795, BG104756, BE900127, BE313100, BE732159, BE560126, BE897114, BE272977, BE275883, BE383590, BE409100, BE886687, AU149662, BE293298, BE559675, BE513645, BF037214, BE798509, BE798984, BE874485, BG032309, BF680826, D52392, BE250986, BE253387, BE313181, AA845270, BE314620, BF034696, BE793979, BE882443, BE797123, BF273943, BE736165, BE276565, AA308667, BE790613, BG056375, BE793578, BE793105, BE293961, BE278732, AW328693, BE254190, BE256721, BE909905, AW768638, BF125047, BE795518, BE255031, BE383224, BE789157, BG142170, BE907032, BE620944, BE878341, BE797140, BE276635, BG034095, BE878240, BE909385, A1913962, BE542091, A1735731, AA714332, AA316221, BE901680, BE540321, BF700921, AA524000, BF127837, AA947503, BE254299, A1126588, AW021371, BF026845, BE393303, BF038496, BE888490, AW327273, BE735597, BE561847, A1631371, BE906540, AV689462, BF211684, AW966489, AW162175, BE409686, AW966488, A1523924, AW163020, BE901983, A1766436, BE394377, BE260396, BE397339, AA912488, N54519, BE563380, AW163636, AA514900, AA088705, A1718867, BE048153, BG113893, AA506094, AA159790, BF125341, AW161303, AW769068, AA115703, AA988424, A1198534, AA112416, AA714522, A1581865, BE795020, AW163458, AA507481, AA501840, BE313575, A1469509, A1797529, AA192753, AA720655, BE563655, A1200353, BE887791, AA577162, BG142255, AW515839, A1863295, AA158148, AW161036, BE559641, A1270389, AA603073, AA989575, BF210694, A1564456, A1453217, AA846028, A1925625, BE621765, A1817585, AA515423, N76221, AV745134, AW083236, AA313883, AA187267, F24511, F27741, F26359, AA776904, AA316420, AA181237, AW615576, AA157076, A1287833, AA835523, AA493670, AA846115, A1922586, F31236, AX015385, E06004, E01533, AC007969,</p>

HDTMK30	48	840862	1 - 518	15 - 532	AX014325, M32405, E06005, J02983, AC010180, E01535, AB005624, M19393, E06003, E01534, M33330, M33331, D11388, D10167, AC005330, AL080060, U09759, and AA074254, AI831962, BE676430, AW162549, AI017574, AI017570, AI935049, AW951729, AW070785, AW160944, AI433969, BE379169, AA316765, AI208340, BE908740, AA570273, AA308469, AA932397, AA971868, AW328383, AI302264, AA335512, AI375912, F20835, AW050941, N40545, N46592, AW438545, AI276310, N92934, R70374, AI590641, BE395213, AA873604, AI610571, AA648290, AI392906, AA629912, T94441, AI580872, AV706442, AW438488, T94528, AA906326, AA621581, AI261782, AI095210, AA910827, BE392525, BE833101, N56229, U09770, AP000358, AP000359, AC024247, U58630, and M13018.
HDPFX64	49	841088	1 - 1368	15 - 1382	BF690243, AI635310, AV705585, BF967716, AW516059, BG171153, BE379346, BG165946, BE262120, AW103919, AA586820, BE270450, AA580196, AW392940, BF689694, AA809239, AI023735, AI031575, AI038145, BF212877, AV653577, AW025039, W46346, BE727824, AW005149, N94381, AA931405, AI309211, AI341743, AW024649, AI093535, AI369772, W47346, W16578, W42813, AW945189, AV705723, BF132768, AA992145, AW675359, AA907868, AA070469, AW135787, AI300765, AA776545, AA490938, AW606545, AI025359, AV694879, W46347, BG036926, AA725448, AW750158, N66103, AI244482, AI765611, AI344462, AI680024, H05080, R42090, AV703075, AV719545, AA916199, AW386885, W42724, AA576647, AW025028, F00072, R00895, AV683358, AW581256, AV695314, AV684515, W57707, AW945190, AV691040, BE831134, AV693290, N79589, W57783, BE711900, AA362580, AA745683, AI033697, AW581255, R88810, BF132335, AW951545, AV685847, AA374786, T29875, BF903989, AV696538, D11601, AA491124, T16992, AI914576, AA305378, W31989, BF953874, BF953867, AW197238, R21561, BE140647, BF959687, BF959697, H05540, R42941, AW406968, W47450, J02888, AB050248, U07736, U07732, U07733, U07734, U07735, and U07731.
HODFG71	50	843485	1 - 2226	15 - 2240	AC019187, AF235098, AL049743, AL050335, AP001675, AC010348, AP000431, AC010283, AC005409, AC002554, and AC006992.
HCE3I65	51	844534	1 - 288	15 - 302	BF380320, BF770784, BF770772, BF770765, BF770108, BG109313, BE884633, BG110701, BF770763, BF380303, BF848233, BF770117, AW753076, N94851, BE887181, AW384469, AW384552, BE771991, H21705, AI741955, AI963814, AW299769, AI917621, AI742118, R55420, H42724, AW205801, AI394684, AW360906, AW360994, AW578414, Z19511, U91329, AB014606, and AC004771.
HSAVH65	52	847355	1 - 758	15 - 772	AW080832, AI693734, BF793712, AI564525, BE869501, BF037343, AV719716, AW024144, AA523950, AW475057, BF827012, AI185475, AI197788, AI708671, AV660309, and AR062277.
HBXFT41	53	847647	1 - 989	15 - 1003	AA778868, AA679725, AA361583, BE727943, BE798065, AA626529, T19700, AA384998, AA374709, AI908896, AI908908, BE255062, AW245790, AA280060, AI114472, AV726479, AA085949, AA081907, BE269296, AV709611, BF725352, AV714707, AV706440, BE790718,

					BE296483, BE745172, AV755536, BE274694, AU119430, BE744131, AU119428, AU119550, BE746420, BE620078, BF674845, BG260326, BF665845, BE254030, BE791005, BG119741, BF037583, BE744908, BF983949, BG251764, BF571453, BE898540, BE792102, BE729491, AI908937, AI908942, AI908943, AI908935, AI908888, BE747668, BE612555, BE620616, AI908938, AI908907, BE794070, AI908939, AU142280, AI908936, AI908930, BF308923, AI908944, BF208892, BE739876, BE746956, BE792493, AU118023, BF983503, BE388929, BE866950, BF310784, BE562649, BE792512, BE729603, BE798377, BF306882, BE542411, N88908, BE732108, AV704181, BE280824, BE799494, BE733715, BF683813, BE796036, BE394532, BE787810, T70160, BF980664, T79052, BE793454, BE271512, AI908946, AV752006, BE304426, AV752905, BE259857, BE798780, BE743625, BE796415, BE279618, BE410674, BE276446, BG027214, BE784784, BE384913, BE264022, BE382420, BE383098, BG122701, BE733796, BG254133, L02426, AL356747, and AC008774.
HBMCM38	54	847821	1 - 789	15 - 803	AA665893, AI080243, AJ277546, AC003056, AC005179, AC004671, and AC016597.
HACBO42	55	849064	1 - 1701	15 - 1715	AW961071, BE703222, AI703476, W51947, AA775876, AW118126, AW419310, BF055108, AI298553, AI168160, AA976583, AA931093, AI343013, AA622237, AI056138, AA101674, T19393, BF222266, BE327125, F12518, T74004, AA825247, AI348336, BE173228, H08634, AA757564, T32177, H08635, BF061085, BF060724, BF446952, F10138, BF058335, BE502582, AW051846, AA426547, T87212, D81092, AI690133, D55877, and AB040799.
HODBF86	56	859572	1 - 913	15 - 927	AV694711, and AL049744.
HOABP90	57	859622	1 - 1239	15 - 1253	H84974, AI915939, BE396949, D51418, AA158104, D51544, AA828306, AC006387, AI2297, M31158, J05692, and M12492.
HE8UE42	58	862010	1 - 1640	15 - 1654	AL515943, AL520278, AL531137, AL515942, AL520279, AI217895, AW960744, BF970078, BF001249, BF036496, BE395420, AI983150, BE277851, AW385698, BF979048, BF688139, AW374106, BE395502, AI660124, BF541042, BF210794, BF036241, BE567389, BE778929, BF103631, BF209890, AI339010, AW374124, AA166971, BE564629, BE971080, BE276625, BF509403, AA542906, AA689356, BF695952, AI285269, AI346870, BF541205, BF030313, BF243030, N27706, AW236815, BE567683, AI821074, AI821227, BE566782, AA166818, AL134542, BF570861, BF059406, AA836112, BF130491, BF695731, D20721, BF677074, AI221030, BG118818, BF106059, AA627350, AW027663, N35710, BF674060, BF029128, BE933681, BE933586, AI221246, AI285231, AW372396, T95430, AW372395, AI699709, AL134543, AA055338, AA449417, AW197834, BF030982, R83129, AI418208, AA375954, AA450383, AW958166, AA961046, N20259, AA336834, AA226636, AI911109, AA225691, N20865, AA825421, AI932769, AA938413, AW197872, C03633, AA370379, N29162, AI620095, AA055337, BE694074, AI932771, BF697063, BE468082, AA976076, AI821821, AA173926, AA173884, BE857593, AA569611, AI821883, AA772955, AW383971, BE898721, AI921241, AJ224875, and AF271985.
HUSIJ59	59	862481	1 - 476	15 - 490	BE907643, AW327356, AV735093, BF792025, BG164383, AV756498, BG109142, BG029612,

					<p>BG109661, AI686064, AW104310, AI524513, AV744389, AA128297, BE560561, AV757265, F36107, AI125537, H72703, AI302668, BF678743, AV682013, BE905381, AA130380, F27615, BF216773, AV712461, AA934903, N99899, BE394168, AI125542, H72704, AI796626, AA314160, AW518185, W68325, BF975221, F24460, AI832538, F30577, W68324, AI497592, AA054941, AA872295, AA070687, AW006071, AV758709, AA962230, AW274476, AA884221, AI197806, AI198400, AW005308, T79469, AA302263, AI139027, AA722653, AA594400, BE737684, AI718047, AA652237, BG008943, AI302442, AA054942, BF680026, AI245664, F25027, N63141, AA927181, BF207713, F36673, AA846168, AI660015, AA908189, D50999, AA329037, BE738658, AI589655, AI499968, AA366606, F30607, AV711850, AA515879, BF238919, BE041814, F26441, AA769698, T79560, F34346, BF214417, T97719, AA483049, BF091216, AI207479, AA302083, BF216648, W25240, T97822, BG059341, AA687617, T85228, AA492203, AW793013, AA535395, AA602796, AW238261, AA216085, F24359, T89188, AW514738, BE615484, AA649489, BF246601, AA642762, AA935966, AV743817, AA634729, AA886084, AV744110, BF239063, W55855, BF383068, AA344058, BG099692, T24567, AA062811, BE707385, BF246068, R29682, BG230802, BG231094, AW362810, AW131255, AA128316, BE567457, R31939, AF085986, AF070661, AF086763, U73629, AC004770, AC004228, AF119902, and AF137396.</p>
HSSDM07	60	863515	1 - 2584	15 - 2598	<p>BE886761, AI520319, AW966039, BG252451, AI520320, AW375346, BE733511, BG114170, BF965742, BE559952, AW992850, AI829890, AI762105, BE788349, AI140601, AW365644, AI720778, BE740440, AW138255, AA772248, AI826338, BE502698, AA609490, BE927727, AI337251, AA971588, AW000925, AW301625, AI126519, AW673462, BF445347, BE327631, AW451288, BF111138, AI948721, R56414, AI684485, AI024528, BF111141, AA971582, AW675784, BE410672, AI363500, AW192954, AA565322, AI420978, AI263464, AW300687, BE348598, AI218550, AI369735, BE552303, R52184, W15529, AA022472, AA92460, N92817, BF091934, W31215, AI500339, AI906867, W39653, BE884207, AA255525, BE743589, BE674618, AV653705, BE618430, AA456635, AA772558, H29107, AW168493, BF026061, R56415, Z43129, BE387896, AA889111, R52092, BE811013, BE810908, BE810888, BE810898, BE810993, Z39214, BE810943, BE831903, AA322368, BE831912, BE810913, BE810939, BE810936, BF984499, T30757, AW901051, BE811016, AA364978, F02409, W04545, BE810887, BE811012, BE810873, BE810911, AI650748, BE810949, H29005, AW581134, AW581202, BE810871, AA490627, AA382734, AA256709, BE810969, AA023006, BE811003, W26238, BF529119, AW581211, AI783932, AW385906, F33591, R11750, BE963464, AA382733, W24938, C00533, BF092258, BF092249, AI122054, AI137324, and U67085.</p>
HBCBW52	61	866444	1 - 1488	15 - 1502	<p>AI732563, AI732596, AW469418, AA132859, AA053401, AA132947, AA053416, AA131083, AA131111, AA053057, AI439525, AV756663, AA525818, AW974363, AW020094, AW021399, AI521525, AI572680, AI049999, AW020150, AI348780, AI797998, BF814446,</p>

AV683406, AI926102, AI744890, AW501278, AW008217, AA584765, AI431442, AI355246, AV717475, BF834298, AU147761, AV732057, AW072963, AI061468, H60912, BF828756, AW963489, AA595661, AA669238, AW083706, AV730440, W45215, R99532, AA639155, AI887468, AI828721, AA487569, AW880986, AI251696, AI254508, AU151751, BG166172, AI925717, BG223498, AA601376, CI4614, AA689351, BF983604, BE152006, AA501807, AA536040, AA084609, AI537368, BG231195, AW265449, BF876252, AA550837, AI419390, AI568260, AA074086, AI755227, AI421783, AA182577, BF949151, BG110480, AI134700, AA489390, BE245576, AA493947, AF186190, AC010458, U62293, AC007308, AC020916, Z93241, AL161670, AC008760, AC005056, AC002470, AC005080, AC005820, AL031005, AC027644, AC020913, AL136087, AL049829, AL132777, AL109797, AC000025, Z98036, AL022316, AL133211, AC005902, Z75407, AC011452, AL031602, AC005736, AC004816, Z93244, AP001435, AC026431, AL008582, AL009181, U63721, AL008726, AC010267, UI5177, AC005197, AC002059, AC010150, Z84476, AC005527, AP000359, AL109897, AP000704, AL358975, AC005378, AP000008, AD000092, U96629, AP000133, AP000211, AC007238, AF130358, Z98048, AL050335, AF111168, AF001552, AC011500, AF129756, AL109801, AC005529, AL078615, AC007050, AC022516, AL049569, AC004552, AC008537, AC006556, AF254983, AC005052, AC005522, AL353701, AC011455, AL133229, AC009116, AC007057, AL035658, AC004000, AL158040, AL163201, AC010463, AC007739, AL161445, AL357374, AP001715, AL133355, AL121983, AL135744, AL096701, AC011480, AL031847, AC008264, AL050341, AC004802, AP001711, AC005523, AL049833, AF053356, AC010328, AC002091, Z95327, Z86090, AL356020, AC010618, AL360157, AL109935, AL139343, AC005089, Z93017, Z93023, AC022407, AL035407, AC005859, Z98752, AC004883, AL133163, AL359382, AL133246, L78810, AC008784, AL020997, AP001727, AC005911, AC004893, AC004476, AC002430, AC010605, AC008753, AL353653, AC005225, AC007384, AC008805, AL117338, AC004938, AC007216, AF001550, Z93015, AC002316, AC002425, AC010102, AL132657, AC024947, AL049872, AC005480, AC006274, AL031677, AD000812, AC003663, AC005586, AL117334, AC005913, AL035249, AC007919, AC003982, AC004776, AC002347, AL034379, AC005800, AC008724, Z97632, AP000688, AL049764, AL353812, AL353152, AL109952, AC011491, AL049760, AF064857, AC003098, AC007686, AC005740, AL109840, AC005919, AL356801, AC009396, AL359846, AC009238, AC003007, AL023553, AC007204, AC010223, AC010422, Z99128, AL136304, AC004808, AL021877, AL356575, AL080242, AC004491, AL096870, AC009756, AC005164, AC004099, AL023281, AC003043, AF181896, AC005696, AL121886, AL050307, AC007051, AC006125, AL021546, AC008044, AL138759, AF217403, AC006449, AC022401, AL008710, AL078591, Z99716, AL121588, AC005841, AL121872, AC009244, AP001748, AC018644, AC015971, AC008403, AC004810, AC004965, Z96074, AL121903, AC006070, AL391602, AL035667, AC004098, AC027319, AL162615, AC011508, AL139295, AC006236, AC020906, AL049776, AC008569, AC007263,				
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HOGAS18	62	867969	1 - 906	15 - 920	AL049843, AC078889, AC005231, AL096840, and AC013434. AV759518, AW827240, AI133297, BF347791, AI932493, AW827130, AL042753, AV762395, AA483929, AW023990, BF347740, AI751216, BF337291, BG153869, AW857802, AI499588, AA846952, BE065673, AA664909, AV739452, T06754, BF679256, AI039584, AW872348, BE782280, AV755907, AL039145, AW020340, AI583283, AA633753, AV745092, AW827120, AA961035, AI471887, BF677892, AA634889, BG249643, AA458703, AW963750, AL038705, BG109996, AL119691, AV733824, AW275510, AL135377, AW512484, AV742875, AW235497, AW168618, AI538870, AW270343, AA531079, AU140328, BE297262, AI345157, AA547947, AW021735, BF437493, AA584167, AV736964, AV710066, BF816072, AA533303, AI687343, BF885142, AV733627, BF902055, AW866226, AI445674, AI732547, R86151, AW303002, AW960545, AI247199, AA661921, AV763550, AI284640, AV764307, AI536665, AI872020, AA569471, BE378770, AW021207, AW472872, AV740801, AI311927, AW149339, AW969870, R24887, AV764578, AA101689, BE252421, BE139146, H71429, BF942454, AA467932, AA639326, AA493695, BE147488, BE973754, AL046409, AI956124, BF698704, AW302903, AW084466, AV734666, AL045808, AL046156, AI568678, BF738242, AW148507, AV760378, BE164494, AI888759, BF874664, AA468022, AV760207, AI801482, AL042853, AI798266, AA533333, BF691714, AW968181, D58349, AI873990, AV762098, AV761547, BG113106, AW302013, AV738993, AI382825, BE253048, BF970654, AA632600, BE967622, BF699964, BF185578, AV730301, AA541423, BE907585, AA502104, AA309257, AV710996, AA320966, BF697673, AA490183, AA954924, AW327868, AW419237, AL048925, AV703942, AV707949, AA683238, BF792954, AW833862, BF792883, AV763354, AL044940, AI969436, BF681661, BF680084, AV763971, AL044904, AU121503, AA765736, AA650211, AA847499, BF853144, AI270117, AL049766, AB037825, X55933, AC073316, L4728, X55929, AC006483, AL031279, U67831, AL008718, AL136980, AC005900, AL359763, X54177, M37551, AL136311, X54179, AC006930, AC023154, AL049870, U57005, AC003108, AC002310, X54181, X54175, U57008, AL080315, X75335, U18392, U18394, AB023798, AL354670, AC016939, AF109907, AC005221, AC005815, AC007881, U57006, AF038458, U18395, I51997, AC007014, AL035455, AK024741, AC007537, AC010282, AL031774, AL137019, AC003101, U07562, AC016601, AC007226, AC007907, U18391, AP000962, AC005180, AC006530, AL356414, AC004890, U57007, AL161422, AC020934, AC004150, AC025593, AL049760, AC002115, AC025447, AP001667, AC010154, AC020956, AP000472, AC007298, AL445225, AP000307, AL391119, X55926, AC008960, AF015151, AL355094, AL022163, AC006226, AC023275, AC006211, AL157776, AC007671, AC004977, AC005527, AC010789, AC007383, U57004, AC009244, AL031281, AP001683, AC035150, AL162377, U18393, AC007546, AL121886, AC005517, AC034246, AL050318, AC025434, AL135927, AC007227, AL031847, AC008033, AP000088, AC004802, AL122001, AC020904, AC008733, AP000550, AC015651, AL096840, Z83733,
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HHSDL18	63	869701	1 - 1374	15 - 1388	AA812573, AL518998, AW972473, W73306, AL522221, AI809692, AA513449, BE501387, AI148527, AW452872, AW245994, AA954445, H57889, AW183378, BE872438, AA813225, AI619978, BE794663, AW197888, BF088329, R24069, BF209308, W73041, BE502424, R24121, R26598, AW245458, AI929294, AA249846, AK024151, AL121754, AC008155, AC025593, AC004690, AC083870, AC005011, AL121897, and AL022238.
HTFMS34	64	870486	1 - 447	15 - 461	AW402328, AA354692, AA724612, AV758954, AV744331, AA158742, AJ768253, AA353944, AW001224, AI857605, AU156990, AI830105, AA987516, AA588890, AW979250, AW979200, AW974813, AW969719, AW979221, AW975126, AW979156, AW970932, AW973116, AW975987, AW973183, AW975409, AW979220, AW979219, AW973808, AW970064, AW979284, AW974983, AW972802, AW970030, AW975427, AW971985, AW979197, AW975951, AW975012, AW971097, AU137027, AW974802, AW971070, AW970564, AW973136, AW970877, AW975928, AW974987, AW969682, AW973771, AW972762, AW973103, AW971963, AW979145, AW972699, AW975070, AW973217, AW973814, AW972417, AW979140, AW971068, AW976019, AW971949, AW976008, AW969751, AW975656, AW975004, AW979228, AW979194, AW969753, AW970875, AW970921, AW969735, AK024342, AL121928, AL050035, AL135904, AC004889, AL136137, AC009060, AC006480, AC005587, AC010605, AC005783, and AC005696.
HLD0G81	65	874506	1 - 1220	15 - 1234	AL521118, AW339982, AI827788, AI627750, AW575122, AL531441, BF967087, AL038656, AI888509, AW156877, AI094580, BE349949, AI963436, AL634293, AI891103, AW080820, AA910949, AW009916, AW338663, AL525766, AA514770, AL037705, AI924086, AI951034,

					<p>AI025380, AU151967, AL038657, AW778781, AI703238, N47212, AI688623, AI091742, N57407, AW188387, N32312, AW469366, AA860531, AW518859, AA863007, AA532789, AW188451, N66542, AI306506, W32410, AW188660, BE223067, AA601517, AI304931, AW338673, AA912494, C75275, AI050054, AI075117, W15332, W32856, AW084306, AV730060, AW081448, AA889232, AI302660, AA902855, AI888343, BE931227, AA507932, AA987475, W39423, AA938584, AA974132, W37293, F34503, AI621117, N27606, AW613309, N90139, AA987821, AA916382, AI299905, AA953919, AI525715, AI282708, AI473985, AI803426, AW591292, AW028183, AA825320, AW173786, AW338830, AI921646, AW157842, AA854048, AA910245, AA855143, R39105, AA989409, T28851, W37827, R63566, AW178890, AI673106, C75395, AA887708, BG108610, AA885915, AL526138, HI9457, AI273149, AA911486, AW473237, AW265368, H42573, BF694671, AI457300, R63520, AA772638, AI824046, AW194001, AA548768, T11298, BE463489, AA813624, N91931, BF672787, AI811441, AI476381, BE828334, AW080982, AL525923, C75171, C01891, BG150929, AL521119, AA084007, AI554233, BF377199, AW884756, AA384963, F29838, BF797072, BF792586, BF971016, BF968453, BG106145, BF343702, BG168468, BG252929, BF983875, BG105758, BG261260, BG166291, BG249591, BG032919, BG030548, BF337945, BF969798, BG105318, BG104735, BG036520, BE782626, BG180793, BF793872, BF344164, BF525514, BG250790, BF795712, BG255388, BG260963, BF796661, BF969317, BF796402, BF969185, BG167415, BG259435, BG179486, BG113712, BG163646, BG111916, AL042009, BG180295, BF792054, AL039390, BG179586, BG111590, BG0306465, BF968622, BG251851, BG165260, BG164495, BG108452, BG035330, BG164183, BG029194, BF797998, BG249858, BF980532, BF527274, BG027631, BG181100, BG169376, BG028019, BG166490, BG111100, BG171463, BG110518, BF797137, BG180200, BG164994, BG105848, BG259612, BF342312, BG250744, BG179183, BG170847, BG251076, BF527413, BE965842, AL046681, BF968504, BF345161, BG114865, BG259362, BG253110, BG252334, BG167751, BF345716, BG122277, BF526001, BG178669, BF794212, BF341270, AL046137, BG030750, BG024457, AL031726, M25160, AF153191, X03747, U16799, AF202048, AF202049, M25159, X03883, X61433, J02701, Z99758, M75030, Z11797, U17061, and J02787.</p>
HTXQF81	66	874608	1 - 1226	15 - 1240	<p>BE735657, BE794634, AI346435, BE794294, BF035725, BE540828, BE736917, BF971130, BE874911, BE875498, BG163362, BE619340, BE543544, AV708235, AI813687, BG168124, BG029001, BF310923, AV703089, BE546820, AI523881, BF034887, AI246030, BE515214, BE789330, AI565163, BG178201, AA402794, BE784412, BG169860, BE878355, BE393961, BG025146, BE880077, BE874897, BE790171, BE786644, AA477593, BF968299, BE259495, BG180371, AA161137, BE394326, BF130503, AI394235, AI814324, AW328354, BF978913, BE909230, AA873099, BF093785, AA887676, AW752983, AA622341, BE048130, BE266971, AA161115, BE909193, AW386295, BE870857, AI280907, AA421577, AA552244, AA574027, AA453330, AI523581, AA826619, BF677836, BF030389, AA464842, BE620003, AA766218,</p>

					BF939735, AA429353, N63397, AA464528, AA293567, BE393130, BE621337, BE621591, N98676, AI688036, AA897561, AI831467, AA424522, AI246562, BF978098, BF219064, AA160777, AI381579, AI991221, AI130549, AW001996, AI992166, AI857333, BF131906, AA424374, AA430526, AA777100, BE865692, AI148183, AA026078, AI332571, W92874, AA099121, AI057323, AI174284, AA421006, AI800148, AA293398, BE909077, AA856632, AA159370, AA453201, AI720789, AW001345, AA430611, AA428764, AA130586, N95686, AI819980, AA856698, AI831247, AA434191, BE621477, AA808470, AW406028, AW386371, BE880081, AA029925, F22574, AA454167, AA402802, AW272436, AI801083, AA430426, AA999657, AA832420, AI273391, AA857226, AI871010, AV763355, AW664325, H47425, AW518864, BE697609, AI598093, AA830492, AV760127, N73100, AA826723, AI904954, R96443, BE697607, AA086361, AA449966, BE964434, AW193589, AA505268, AA315443, AA053737, BF214130, AW304217, AA158842, AA947200, AA921703, AA115286, AV705607, AA758930, AI304791, H69012, AA429056, BE545935, AW302628, AW804779, AI091522, AI299197, AW328355, AI719387, AI086972, BF905782, AA661521, AI935183, AW572270, BE762364, AA053217, BE762365, AI337894, AW467641, AA588803, AI347946, BE698279, N66153, AI498213, BF732793, AW069810, H75395, AI587160, BF055282, AW387616, AI091629, AW387528, AA402306, AI457944, AI923632, AW387610, AI214251, W17167, AW951180, AI934695, AW387609, AW807818, AI089510, BE937323, AA723089, AA340466, AW807817, AV685409, AA687919, AA159162, AW387605, AW807890, AW387556, AI718119, AW387612, AW387532, AI261968, AA527012, AW387677, H47338, BF374464, AW387679, AA759077, BE937312, AW807895, BE571629, AW387539, AI261532, AW807739, BE841949, AA029924, AW387625, AA761238, AI830407, BE937330, AW387557, AW387547, BE842102, AW387583, AW807749, AX014336, L09604, AF196779, U93305, U16149, T95659, T99421, T99527, R96442, N92482, AA025486, AA043896, AA099122, AA100577, AA159465, AA513191, AA617664, AA285059, AA290976, AA477464, AA629238, AA853553, AA852809, AA852810, D20308, AI197850, AI364502, AI368248, AI479890, and AI610373.
HCRNG90	67	874787	1 - 1061	15 - 1075	BE891902, AW271686, BE677446, AW025554, AI420969, AI521237, BE879239, AI202304, AA375089, BE245380, BE246652, BE547456, AA337142, BE879198, BF218778, X55740, D14541, J05214, L12059, and U21730.
HPWCL64	68	874891	1 - 653	15 - 667	AA531009, BF114862, BE645201, AI803060, BE746455, BF111457, AW058661, BG060155, AW957837, AI871128, AI040865, AI635619, AA279688, AA314121, AA291325, BE044274, AI300358, AI026031, AW136587, N48589, AI333491, AI217438, AA872204, AA313681, BG149853, AA761900, AA825668, N62189, AI742355, AI167192, AA782249, AI472224, AI027048, AA969624, AW957912, AW505197, AA907863, AW576584, AA279718, AA489085, AI356298, AA496950, AA490549, R81199, AI915658, AW500237, AW242542, BF109353, AA489150, H41907, F09870, AU126430, AV726684, BF061082, AI809172,

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HWLMV62	69	874930	1 - 595	15 - 609	AI718277, AI806204, AI922705, AA134958, AW189584, BE940626, AW152541, BF436606, AW589567, AW779876, AA911194, AA099689, H26598, AI523349, AI783469, C06405, AW979187, AA856931, AW050657, AW580584, AA650629, AA075317, AW993789, AI535926, AF095844, AC007750, and I50896.
H2MAC06	70	874931	1 - 946	15 - 960	AA837575, AI750047, AI762213, AW778875, AA528093, BF594424, AW517424, AW612993, AI749649, AA514773, AA514789, AA421943, AA167440, AI708618, AA400973, AV740396, AI474120, AA514874, AI283967, AV738755, AW845024, AA587027, AV738776, AA167783, AV738660, AA642930, BF879539, AA878029, AW193324, AA857522, AI284506, AA164459, AA164458, AV741975, AW583341, AA838234, AA169874, AV739857, W38398, AW276087, AW264913, AA148194, AA308126, AA169614, AI669077, AA074902, AA148193, AW583781, BF893727, AA079651, BF802476, AW190644, AI306666, AV735674, AV735675, AA167439, AA857853, AA074845, AI199258, AA535642, AI826800, AA166792, AA074727, BF893886, AA421944, AA165663, AA075896, AW751341, BF875085, BF765758, AW265060, AW845005, AA076140, AV739168, BF879359, AW591737, BF748440, BF898643, AI626104, AA076188, AI541032, AA837890, N27757, AI102361, BF903121, AV741814, AA165649, AA100735, BF895363, BF892331, AA524360, AI833071, BF748145, AV741817, AA079557, AA593897, AI680515, AA573267, AA401137, AI675895, AA506601, BE696957, BF893703, AV743848, AW272215, BF354583, AA076566, BE004062, BE183618, AV740205, AA837854, BF334915, AA515574, N79823, BF894855, AA169569, AW364597, U47734, AA173827, BF094310, AW664712, BE184103, BE171567, BF354577, BF805800, BG057623, AW150580, BF918052, BE811764, AA299459, BF893822, AA298668, AI810491, BF893729, BE140374, AA076565, BF894873, AI940001, AW062899, BE004010, BF801920, AW062852, AW062884, AW475086, AA366738, BE171661, BF893097, AI797418, AV737676, BE645920, AA298242, BE183717, AI939989, AW352267, BF893885, BE176617, BE859013, AA503624, BF893856, BF894876, AW062699, AI559933, AI749194, AI866124, AA172395, BF900257, AI697412, AI473481, AA502597, AA329732, BF896945, AW270590, AW778853, AW969360, BE711057, AW000856, AA471032, AA494293, AI695633,

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HWLR06	71	875093	1 - 371	15 - 385	AW841682, BF766770, and D63997.
HODDO41	72	875352	1 - 583	15 - 597	H69413, H69440, AL120745, AA830102, BF898213, AW340795, A1457813, AC007546, AF064604, and AFI55103.
HCHMQ74	73	875371	1 - 426	15 - 440	AA305616, AW861809, AW001611, AK023741, AC006057, and AK001527.
HT3A155	74	875682	1 - 1467	15 - 1481	AL523414, BE365623, AW955610, AL523413, A1088910, AW469112, AW043896, AA005100, AA262517, A1470354, W78980, R89654, AV750391, AA261819, BF447445, A1079770, AA037517, BF834666, BF834676, BF834677, BF834554, BF834667, AA328236, BF836570, A1584124, BF836573, BF836554, BF836568, BF834674, BF836564, BF836558, H19672, BF748075, BF751207, A1247711, A1217267, AV747710, AK025671, AK000219, AL121782, AB034617, and AL121754.
HMVBD68	75	876052	1 - 1266	15 - 1280	BE885169, AW970061, BF439457, AW575699, AW468388, BG116413, BG170032, AW083378, AA057509, A1679190, AV727466, AA574451, AA599718, AA054285, AA706513, A1707934, AW023524, BE142955, R66161, AA199863, AA862725, R84843, BF247952, R85715, AW973101, AW975244, AW979090, H86142, AW975971, AW627831, AL038837, H86028, AW979076, AL039074, AW975143, AW971975, AW975166, AL039564, AL039108, AW972154, AL039156, AW979228, AL039085, AW969930, AL039659, AW979176, AW975941, AL039625, AL039648, AL039678, AW973762, AL039150, AW975022, AW971953, AA059178, AL037051, AL036725, AW975626, AL039629, AW971954, H00069, AW974379, AL039109, AW973821, AW975981, AW972296, AL038531, AL039128, AW969748, AW970540, AW970969, AW979212, AW979147, AW976024, AW971968, AW969885, AW973789, AL040992, AL045337, AL037726, AW970587, AW975434, AW975650, AL042909, AL039423, AW979204, AW973772, AW975596, AW969694, AW971326, AA013394, AW971403, AW968147, AW972440, AL039410, AW970942, AW969798, AL134524, AL039538, AW973254, AW979037, AL044530, AL045353, AL036973, AW968338, AW975058, AW973812, AL044407, AW971404,

AW973819, AW969782, BG152806, AW974658, AL038821, AW968181, AW973200, AW973241, AW979208, AW973805, AW969803, AW979250, AW968212, AL039386, AW976511, AW973393, AW975952, AL036418, AW973808, AW972212, AL039924, AW973811, AW969988, AW976515, AW975154, AW969874, AW975162, AW970108, AW973781, AW973780, AW971964, AW974338, AW970936, AW979211, AW972736, AW973097, AW975968, AW975876, AW973127, AW979144, AW979294, AW979002, AW063533, AW969698, AW979238, AW969794, AW979093, AW970927, AW968200, AW979173, AW975046, AW979064, AW975261, AW972156, AW973219, AW979098, AW976510, AW969756, AW975938, AW971965, AW971305, AW979160, AW969768, AW975966, AW973380, AL043441, AW975173, AW979054, AL043445, AL037082, AL036196, AW974993, AW970020, AL037639, AW973164, AW969656, AW979113, AW971984, AW976506, AW969895, AW975172, AW973386, AW974915, AW971001, AW975950, AL039566, AW979127, AW970947, AW971952, AW975106, AW971985, AW975229, AW973103, AW968148, AW974786, AW975914, AW973810, H39007, AW973168, AW975917, AW975649, AW969783, AW975433, AW975928, AW972786, AW974692, AW979078, Z99396, AW975157, AW975255, AW979068, AW971974, AW975161, AW971962, AW968205, AW975965, AW979088, AW972784, AW973368, AW975214, AW975915, AW975144, AW973381, AW973165, AW969884, AW974801, AW975935, AW975987, AW971938, AL043422, AL039509, AW971087, AW971949, AW979295, AW975174, T24119, AW975982, AW979131, AW975948, AW979284, AL037526, X95073, AR096545, AX046357, D14548, AR073846, AR066494, AR071572, AX003207, AX006816, AR017907, Z96142, AR038286, X68127, I92483, AR062871, I03665, I03664, A15078, E00523, A67220, AC069451, AF261964, AX020190, AR095492, X73004, A95051, A58522, AR072501, AR036905, AR072503, A92133, AR072502, A97211, AR080470, A58521, AR077142, AX006818, A02712, A85477, A85396, AJ244003, AJ244004, AR062872, AJ244005, AX006823, AX046223, I06859, AX001322, AR062873, A18050, A84772, A35536, A35537, A23334, A75888, I70384, I18371, AX011024, A20702, A60111, A23633, AR043601, AR025207, AR007512, A18053, A84776, A84773, A84775, A02135, A02136, A04663, A04664, AR083151, AX009712, AX026821, A84774, A43189, AX012337, I66495, AR031374, A43188, AR085082, AR085089, AR085091, AX006820, AR067731, A38214, AX033488, A49700, AR031375, AX033489, A20700, AX001325, I66494, AX001326, AX033490, AX001323, AX035632, AX001324, AX035630, A64081, AR088705, AR008430, AR067732, A44171, AX035631, I56772, I95540, AX035629, AR018924, AX033474, AX033486, AX006819, I60241, AX033487, AB037923, A63067, I60242, A51047, A63064, AR018923, A48774, A98767, A63072, A48775, AR068507, I66498, I66497, I66496, AR068506, I00074, I66486, I66487, AR079804, I19516, A58524, AR015960, A91750, AR064707, AR085079, AX023553, AX0355462, A93963, A93964, AR000007, AR015961,				
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HOCTA74	76	876487	1 - 671	15 - 685	AI302800, BF109314, AW118693, AI808667, AI065036, AW080952, AA862461, AI201847, AI138543, AI015998, AA865819, AA470462, AA454546, AI221895, AA481881, AI039771, AA535254, AA482063, AI01489, AA551867, AI018725, AI121442, AI244932, T88913, AI914566, AI017732, AI016693, AI833052, AA608575, AA120921, AA120922, AU149626, AV720099, AW510983, N57711, BE302246, AW151576, AI572464, BE328214, AI471156, BF769730, AW473129, R85699, H60433, AA890675, AI262997, AA620388, AV719431, T47276, AA534566, AI625454, AA852619, AA889211, AW631306, AA707578, AI718799, T47275, AI124998, AA477467, H88225, AA680222, H66348, N63309, AA131070, AA131015, AW627418, AI474581, AI561334, BE936086, AV733805, BE936002, BF092360, AW861944, AW804686, AW604723, AW392670, BE695785, AW877209, Z99396, AW372827, BF868697, BE705905, AW858526, AW858525, BE705903, BE705906, BF868687, AW577135, AW384394, AW861889, AW858455, AW861954, BF868684, AW363220, AL119497, AL134528, AL119443, U46341, AW604726, AL119457, AL119319, AL119363, AL119341, AL119496, AL119324, BE705904, AL119355, AL119483, AL119484, AL119391, AL042965, AL119335, U46350, AL134920, AL119522, AL119396, U46351, U46349, AL119418, U46347, AL119444, U46346, AL037205, BF868696, AL134902, AW979212, AL042614, AW971745, AW975037, AL119439, AL042975, AW969885, AW979204, AL119399, AL042551, AW971387, AW973770, AL119401, U46345, AW973185, AL134518, AL134524, AL043029, AI142132, AL136526, S79219, X14608, M22631, M26121, AL122056, A81671, AR066494, AR060234, AJ279014, AX046357, AR054110, AB026436, AJ251859, AX030435, and AR069079.
HSET05	77	876686	1 - 912	15 - 926	AI392987, AW204721, AI380500, AI887979, AW166458, AI935193, AI739272, AI393078, AI337398, BE908889, AI262967, AA621187, AW780031, BF002042, AI002949, AA622165, AI078264, AA080959, AW370639, BF001449, BF982414, AA082985, BF001683, AI857378,

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HCRQM22	78	876696	1 - 433	15 - 447	BE544606, BF529981, BE786721, BE251508, BE258319, AW794597, BE255394, BE890405, AL525853, BF757575, AW403014, AI904490, BE747560, BE535798, BE546101, BG028773, BG023780, AI831848, AA115313, AI761315, BE855000, BF808237, BE537206, BE535666, BE535661, BE389956, BE540274, L16783, U74613, U83113, AR030545, A79030, U74612, and AC005841.
HLHTC92	79	877310	1 - 839	15 - 853	R66025, R76969, AW043721, BF109415, AU122689, BF589412, AA553904, AW973590, BE182756, AI417134, R58054, U77970, AR059959, U51625, U77969, and AR059960.
H2CAA49	80	879484	1 - 2296	15 - 2310	AL518281, AI279876, AU123950, AL517520, BE738492, AU122239, AI539769, BE614356, AU127471, AU137119, BE782437, BF032266, AW954410, BF917448, BG114466, BG025422, BG238893, BF793578, BF695505, AA876127, BE535422, AI963800, AA206425, AI969470, AU123404, AL517519, BE884471, BF210187, BF978343, BG258084, BE044090, AU129257, BE079257, AU150519, BG035397, BF696016, AI951966, AW605343, AA459503, AW609270, AV726771, BF576773, BF910792, AW582085, AU152326, AA778294, AW582079, BE546929, BE565375, BG171787, BF939707, AA639198, AU153689, AW609318, BF375096, AA464626, BF094456, AU149119, AI334209, BF081392, BF978405, AU124260, AU119230, BF375101, AW582064, AW813451, AU150709, BF375184, AU159355, BF977470, AW813456, AU152457, AU151017, AU151416, AI150191, BF213914, AU158145, BF573572, AW609320, AI281280, AW149760, BF375091, BF819052, AA446118, AA459274, AA236997, AW609271, AI587101, BF212914, BF243356, AW609290, AW609276, AW662423, AA946837, AI922323, AI198839, AW813453, BE960873, AA568602, AA777025, BF380050, AW376909, BE910222, BF375112, AW582063, AI127770, AW582101, AI139373, AW813471, AW972374, AW609285, BF375104, AU152034, AI753243, AA789258, N95643, AI754062, AW582102, AU150043, AA236574, AI140786, AU145626, AW813461, C75603, AA075484, BE395097, AA251521, BF970745, BE090595, AA387266, BG121171, BE042577, AW609317, AU148699, AW439362, BE546818, BF375089, AI121103, AU154945, AA213367, AW609263, BF375081, AW609294, AA837311, AU123797, AW582067, BF932351, AU156384, AW609291, AI187231, AA227539, BF132102, AI344110, H67810, BF375080, AV723252, BE782617, AA075621, BE834271, AW609293, W95535, AI400951, T65536, AW609280, AA872668, AI192986, AW571539, AU134775, C17463, BE566077, AW970128, AI859211, AA470471, AW609423, BE871406, T17222, AW192135, AA506763, BF248125, AW139044, AI913866, AA192466, AA165156, AI826398, AA678954, AI271344, BE090601, AA113939, C05669, AA137249, H17790, F11801, BF825064, AA164768, C75565, R89384, T16445, T69722, N66040, C18698, H59003, AA503343, AU123857, AA339152, AI025443, D81644, AW582082, R78076, BF222253, H58956, BF818865, D60375, BE094097, F06655,

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HETKQ94	81	880545	1 - 2418	15 - 2432		BF205433, BG025867, BF206942, BE867291, AI814360, AW665404, AW247024, AA971547, AW250225, BF701516, AA781889, AI932216, BE858661, AI144206, AI146546, AA436490, AI494424, AI951048, AI123552, BF185575, AA436445, N25312, BF092058, BE465537, BF931581, AI286226, AI005130, BE719412, BF336730, AF121170, BE931962, T20250, AA464700, AA463999, AW814610, R61444, AI911401, R11114, AA515534, AI680399, BF436747, T20249, BF821425, AI382750, AI580715, AW440012, AI569246, BE645712, AL043113, BF876211, BF846186, T91232, AI240523, BF247639, T86015, N71736, AA770594, AI350837, AI908616, BF820057, AI610364, BF435992, R61399, AI394618, N39715, AA996341, BE173985, AI224483, AA215637, AK025530, and AK025445.
HOFMO23	82	882466	1 - 730	15 - 744		AL525975, AL525520, BE263255, BE144775, BG163687, AA340612, AA375347, AA375265, BE880915, BE880848, AF089745, and AC083863.
HNTNP58	83	882787	1 - 2826	15 - 2840		AI829734, AI073471, AA884114, BF983127, AA507637, H59240, AI263494, AI288403, AL121978, Z93023, AC010677, AL035070, Z82190, AC005154, AC003101, AC004883, AP001697, AC004584, Z94721, AC025593, AC005030, AL121601, AP000010, AP001432, AL163303, AP000151, AC007842, AC006483, AC008050, AC007226, L78810, AC006203, AP001728, AL031281, AC016526, AC005011, AL121777, AC005696, AC002073, AC011894, AL049758, AC004967, AC007731, AC005500, AC008155, AC007685, AC005730, AC018637, AC004983, AL121585, AC002404, AL035455, AP002026, AC007050, AL163201, AC005520, and AA913363.
HOFNY28	84	888480	1 - 1605	15 - 1619		BG258222, BG117025, BG168645, BG253641, BG168646, BG167818, BG025417, BG164284, BE612896, BG252223, BE910738, BF345060, BE621811, BE621893, BF984267, BF798053, BG123011, BF984992, BG031014, BG117026, BG117030, BE621810, BG168644, BE614378, T29199, AA362689, AA362688, AA362690, BG253645, BE613101, AW968355, AW972092, AW968356, AW972093, AW968729, AW971740, AW972091, AI432644, AL045327, AI623302, AL134524, AI432653, AW969229, AI432654, AW081103, AI431328, AW972090, AI432677, BE672759, AL044652, AI431230, AW858522, AI431353, AI431312, AI432655, AI431310, AI432650, AR080280, A49045, I66487, A94048, A94061, AR035224, I66498, AR070554, AX002278, AR071324, I09252, I09251, I07209, I07249, AX042374, AX033488,

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HE8MQ01	85	889128	1 - 2694	15 - 2708	AI866939, AA338997, AA332893, AL079734, BG056174, AI783911, AI114733, AI133552, AI912401, BE048032, AA515728, AV738383, AW963444, AI056177, AA228778, BF312862, AI620585, AA297666, AA535216, AA837035, BF928469, AV656851, BF891210, BF768846, AW798093, AA581247, AA659608, AA847031, AI439910, BF805088, AA452887, AA827771, AA410788, AA310183, BE350261, AW675551, AA714110, AU147162, AJ744830, BG250286, H85792, AA651632, AI580250, BE968744, AA513551, AL119921, AI634187, AL038936, BF808097, AW515437, AA728937, AA610433, BF870792, AW338179, AA583394, AW069227, AW303142, AA654778, AA582073, AA527209, BG008041, AA804925, AI457389, AI176972, F11718, AV760723, AA621381, AI733856, AA489806, AV759115, AA464739, AL118925, AC004112, AL161445, Z97196, AL035587, AFI16689, AC003093, AC005098, AC004166, AC007371, AC008812, AC004867, AL122058, AC004882, Z97876, AL133320, AC007568, Z95703, AL096840, Z83844, AC004985, U72787, AC004850, AL355386, AL121881, Z85987, AC003007, AC004884, AD000685, AL023575, AC009060, AL445605, AC022436, AC009289, AC007999, AL008723, AC002369, AL033521, AC006578, AL079333, AC003695, AL022315, AC005081, AC002477, AL161731, Z83308, AC004475, AL031177, AC004585, AC083861, AL008627, AL117337, L35676, AC020908, U91323, AF084941, AL162293, Z70280, U82668, AC006271, AC005632, AC007787, AL035495, AC008685, AC005736, AL049548, AC005318, AC002091, AC007030, AC004638, AF039904, AC018663, AL109921, AF129756, AC002554, AL031117, AF030453, AC010271, Z82174, AL138733, U07562, AC073593, AC002468, AL162615, AC016025, AL136173, AL159168, AP002028, AL031683, AC005189, AC005190, AC007435, AL033517, AC006236, AC005050, AC009087, AP000505, AP000295, U95739, AL031727, AC005295, AL035406, AL022163, AC004089, AL353653, AL049758, AC007057, AJ295844, AL137802, AC009480, AC009086, AC005821, AC004520, AC002511, AL035697, AL445220, AL391595, AC007308, AP000044, AP000112, AC004841, AC004755, AP001630, AC008560, AL109613, AC006329, AC003043, AC005225, AC008736, AC011235, AL096800, AL354762, AC006241, AC005102, AC004491, AC011489, AL031447, AC006581, AC009318, AL133387, AL162272, AC010618, AL158040, AL034417, AC011475, AC005781, AL136527, AC005015, AL023577, AC026770, AC005180,

HE2RG21	86	891139	1 - 832	15 - 846	<p>AC006511, AF205588, Z97181, AC011464, Y14768, AL138741, AC004815, AC087225, AC024085, AL117382, AJ277546, AC005243, AC006057, AC011559, AC011490, AL049760, AF001550, AC007151, AC007216, AC006457, AC078899, AL133257, AL442167, AC005722, AL031680, AP000215, AL031657, AC002470, AC005921, AC003076, AC005011, AC073898, AC005184, AP001610, AL035361, AC008403, AP001748, AC004453, AL139120, AC006317, AL031733, AL139396, AP000353, AC005206, AC006210, Z93015, AP000297, Z82201, X60459, AC004232, AF181449, AL049856, AL022343, Z97989, AC005227, AC004974, AC016816, AC005071, AC007163, AL031311, AC006952, Z83838, AL049830, AP001666, AL024498, AC005667, AL031668, AL121897, AC027279, AC004975, and AL080314.</p> <p>BF969593, BF976282, BG109289, BF976463, AU125091, AU125476, BE792892, BE792650, AU125886, BE791092, AI133074, BE791337, BF237924, AL135290, BG177271, AV713476, BF797802, BE731259, BE795223, BF968456, BE790661, BE797404, BG171110, BE874660, BE795846, BE794082, BE902740, BF237469, BE562478, AV698481, BG164853, BE795417, BF342550, BE615419, BE798620, AI708767, BE795905, BE798940, BE793434, AU122903, AU123246, BE794023, BF971150, BE792929, BE792297, BE891943, BE796110, BE879535, BF308478, BE615080, BG254834, BE791517, BF689007, AV717421, BE797453, BE378673, BE797539, BG109767, BE790876, BE727304, AV713597, BE274348, BF974511, AV649335, BE879514, BG251837, BE733589, BE731394, BE796376, BE791222, BE907281, BG177300, BE790687, BF970844, BE790875, BE794823, BE795711, AU135821, BE745525, BE300363, BF027468, BG036177, BF308214, BE740779, BE797101, BE790755, BE906835, BE729432, BF314422, BE797254, BE300171, BF663788, BE790654, BE905832, BE791406, BE793973, BG113000, BF207077, BE784397, BG251054, BG025163, BF976215, BG168188, BF973995, BE794572, BE796652, BE796227, BE906382, BF026819, BE873279, BF686061, BF304948, BG165563, BE747673, BE728347, AI818928, BE379082, BE799031, BE879033, AV727362, BE274714, BG121915, BE386257, BE312750, BG107819, BE906182, BE386742, BF308232, BG254508, BE740218, BE792160, BE733381, BE569043, BF688618, BE274774, BE731375, BE889671, BE889607, BE791069, BF969938, BE727488, BF973670, BE744048, BE905712, BE561555, BE795983, BG032341, BF970016, BF980933, BG167418, BE275784, BF034308, BF983251, BE910496, BE560745, AI985637, BF684036, BE733167, BE793690, BE260585, AV688740, BE275014, BF970622, BG253952, BF796209, BE728591, BE276098, BE260683, BF312638, BF310331, BF795019, BE794960, BE729399, BF306538, BG109917, BF664113, BE746075, AW327358, BF026012, BF034507, BE794196, BE619444, BE378927, BG029118, BE890966, AW409953, BE793206, BE795584, BF025737, BE274916, BG178912, BF689288, BF315718, BF309544, BE872571, BE875649, BG178795, BE738312, BF680070, BF685685, BE275143, BE797323, BF206155, BG177739, BG116134, BE746340, BF792526, BE876133, BF970542, BE249941, BE907925, BE796038, BE276137, BF975039, BE867742, BF973384, AF074628, BE796201, BE897798, BE380156, BE560786, BF691285, BF690366, BE727901,</p>
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HHENW77	87	894855	1 - 1761	15 - 1775	AL526926, AL527436, AL526045, AL538507, AL520776, AL538372, AL535254, AL538508, AL527469, AL526103, AL536877, AL520777, AL526963, AL536876, AL525006, AL525994, BF340116, BG259955, BG118411, AL526046, AI884867, BG120508, BF530356, BF727008, BE858461, AL525005, AI885227, BE645596, AI341159, BF971037, AW954547, AI935218, AI922406, AA778161, AI687121, BF835950, BF835954, AW148695, AW195853, BE874135, AI336147, AI091364, BE162509, BF345973, AI769203, AW627859, BF439954, AI358396, AA283686, BE677432, AA932022, BE882539, AA812396, BE222881, AI880226, AW016109, W22821, AA349833, AI207239, BF528099, T77194, AA351716, AW802143, AW802146, W22566, AA349483, AW952324, AI935916, AA912295, AA323718, AA513643, BG236769, AI191844, BE044376, F10141, T24055, AA323421, T74074, AA860955, T87227, AI160164, AA916795, H43568, AI432797, F12523, AA323203, AI522051, AI869229, T15481, AL040209, BF834531, T24054, AI089847, BF527264, AI688419, BF475921, BE867108, BF945188, AI419193, BF957667, BF811179, AA290708, AA976981, BF811672, AA350458, AW895092, AI953159, AA911413, BG059278, BG230864, AA528216, BG166654, AI432030, AW079432, BE340578, AW161579, BG030405, AI582932, AW132056, AW827206, AA580663, AW161202, AW020397, BF342823, AW806761, AW075382, AI866090, AV682190, AW935969, BE069307, F26535, BE011880, BE879722, BE772508, AI270183, AL037030, AW084056, BE895765, BE964994, AL120056, BF814450, AW264895, BE906419, AW834302, AL513813, BF811808, BF812459, AW020095, AI494201, AV682724, R39444, AI635492, AL513699, AI673278, BG113188, AI473536, AI624293, BE965724, BF856052, X69392, I89947, I48978, AL359615, AR020905, AL049283, AL137478, AK026649, AK026744, A08916, A08910, A08909, AF116631, AF100781, AL133080, AK026629, AB051158, AL137560, U75932, AF036268, AF031147, AK027213, A08913, AL117394, AL110159, AL035458, AK024538, AF260566, AK026855, AB029065, AK026534, AB034701, AK026506, AL110224, AJ006417, AB049892, AK000432, AF119871, AK026462, AF116644, AF069506, I48979, AL137550, AL080140, X93495, X82434, AF175903, AF067728, AX042059, AF111849, AX046842, AF130082, AF146568, Y10655, I89931, AK027096, I26207, AK026480, AK026630, AF087943, AF218014, AF225424, AK025084, AF076633, AK000083, AF026124, U87620, AF130099, AK026434, AK000323, AR034821, AL389935, AL389982, Z97214, X72889, AL162002, AR087170, A08908, I33392, AK000137, U68233, I92592, AK025015, AK026647, AL133077, AI12297, AL162004, AF091084, AL137556, AK025339, AL137271, AF079763, AJ242859, AF116654, AF090903, AK025484, AR038854, AF118094, AK026528, AL162006, AL137554, AK000435, AL117457, AF125948, AX006092, AF113699, AB050510, AF056191, AL137479, AK026532, AL133560, AL050277, AF003737, AF100931, X79812, AL390154, AF119865, AX005848, AX005804, AF217987, AK026526,

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HOFNU55	88	897344	1 - 691	15 - 705	BF812933, BG151247, AL121270, BE887488, AW087445, BE048071, AW071349, BF968493, BF792469, A1349772, BE018334, BG031815, A1064830, A1499463, BE876033, A1702406, AL1513553, BG168696, AL1513907, BE047952, AL1513911, AL1514919, AL135661, BG164371, A1433976, BG179993, BF795712, BG036846, AL045500, A1433157, BG252929, BE963035, BE877769, BG032208, AL040243, BE904178, AL1513753, A1440239, AL1513837, AL047763, A1275175, BF343172, BE047863, BF971016, A1620284, BF038131, AL119791, A1539771, AL046849, AW827203, BE785905, A1500659, AW117882, BF812438, BE048135, BF037097, AV681949, AL1515041, AL036146, BG252914, BE048179, BF726421, A1436456, BE048081, BF793324, BF726297, BG257535, AW274192, A1568855, AV681668, A1348897, A1873731, BG113662, BE048319, AW074993, BF344479, AW162071, AL047042, A1349645, BE781369, BE172767, A1538716, BG260037, AV655645, BF726001, BF727212, BG026194, BF726322, AL119748, AW238730, AL1514691, BF344652, BF885675, AV735353, BG058208, BF970093, BE964812, BF793644, BF883916, BG114104, A1568870, A1758437, BG109270, AW301409, BG110684, BF724691, BE047738, BE894455, AL036396, A1340582, A1349933, BG250190, A1868831, BF969484, A1597918, A1521012, BG120816, AW089572, AW071417, BG257920, A1349256, AV727776, AW827249, BG112879, BF794994, A1863014, AW195957, A1540832, A1613017, BF792099, A1439087, A1250293, AL120736, AL036802, A1678302, BE882656, BF812961, A1249257, BE047859, AL1514803, AW103371, BE964700, AL1513693, BG170430, A1281779, A1857296, BF882334, A1349004, A1702433, A1440426, BE891101, BG180034, BE048026, A1345735, BF812938, BF340031, A1699857, A1862142, A1633419, A1498579, A1866002, A1499131, BG259801, A1281773, AV711509, A1597750, AL044207, BE968552,

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HE8TE40	89	897862	1 - 1862	15 - 1876	A12297, AL122110, AF116610, AF119871, AB052200, A03736, AC002464, AF118094, AF130087, S61953, AK024524, A08909, X65873, AL137648, AK026528, AL133113, Z82022, and AF183393. A1823654, A1961177, A1478221, AW968773, AA846576, A1480402, AA584298, BE560551, A1813657, A1760644, AW247012, AA887179, AA868607, BF980116, BE961977, BE550998, AW969507, BE559619, A1651566, AA579655, AV686107, AW969502, BF436325, AW002182, A1654813, AA491041, A1283079, BE617461, AA922926, AW166079, AA917731, BF515827, AW292126, BF223222, A1990156, A1499865, AA729880, AW250215, A1671762, A1680670, A1948722, AA490858, AA503731, AA732307, AW969802, A1222519, A1004530, AA639529, BF798411, W96184, AA513845, AL532268, A1681727, AA768695, BE765188, A1147101, A1205178, A1269686, AW291809, A1393299, AA737590, AA528328, BE065291, AA764868, A1867123, BF095791, BF821814, BF380983, BE151798, BF380986, AV654488, BF909261, BF909264, AW969515, AA809950, AW269244, AW300193, BE693372, AA689267, BF590473, A1694125, BE962424, AW955686, AW954735, AV703593, AV726916, AV661866, AW951516, A1557264, AV696302, AV706064, AV701983, AV707103, AV705545, AV702726, C15737, AV702189, AV725294, AV702148, AV709895, C14208, AV726708, AV655824, AV705217, AW963940, AW950675, AW954772, AK026201, U19181, AC025263, S79539, and A84916.
HNTCH73	90	900546	1 - 1555	15 - 1569	BE877424, BE612406, BE867398, BE873237, BE512843, BF983505, BF984185, BE304524, BE871951, BF983498, BE962323, BG248621, BF984535, BE870587, BE872539, BG108575, BE873272, BG026835, BE868837, BF434094, AW362700, AA777371, AA479141, BE512742, D51188, AA479140, BE740078, BE869477, AA468551, BE304763, AA463224, BG248254, AA576646, BE617281, A1312731, AA584413, A1886718, BF982469, BF928257, BF928454, AA873550, AW753810, BF806796, BE771212, BE771215, AW362728, AA463225, AW362712, BF819079, BF810890, AA730073, T54230, AW602572, AA333903, AA358807, D51376, AW753502, T28171, T54134, AW950374, AW362081, BF926988, A1129853, AW609632, AW378785, AW390826, N86263, AW390848, AW815472, AW379982, AW379983, AW884062, AW815758, BE771216, AW815719, AW264254, D11692, AW378783, A1748892, BE868305, A1034316, AW191034, A1219728, AW148594, AW389490, F04809, BF768876, AR031483, I08631, I78457, AR075479, D30751, I11746, AR075485, U43842, AF042497, AF136233, Z22607, X56848, S65032, E04737, L47480, D14814, E03671, A1005076, AF058764, X64538, D49972, U90122, U82231, AF056336, AR009509, AR048315, AR075484, and A91867.
HHFBY53	91	902534	1 - 956	15 - 970	AA346699, BE897269, BG109478, BG178294, AV718692, AV723772, AV708119, BF883916, BG179993, A1370129, BG108324, AV755207, BE047863, AL514935, A1349772, A1500077, AL513643, A1436456, AL036396, A1687376, AL047042, BF343172, BF037097, AV655645, AL119049, AL036802, AV681857, AW827211, AL514627, AW827203, BG036846,

AL046849, AI702406, BF727212, BE969709, BE048071, AV757737, BE048163, AI475371, AL135661, AL513907, AI433157, BE785905, AI064830, AL515041, AV682479, AW268253, AL513597, AL121270, BE964812, AV681716, AV756770, AL119791, AV682224, AL119748, AI349645, BG260037, BG168696, AW238611, AV757943, AL036146, AV711924, AV682266, AV704928, BE968552, AV682351, BE880190, BE613622, AV682249, AV721967, AV759235, AL121365, BF969494, BG058208, AW303152, AI608667, AI815383, AW071349, AW301409, AI349933, BG259801, AI687728, AL045500, BF726421, BE018711, BF724691, AI538716, AL513553, BF054789, BG257535, BF812933, AI868831, BG180996, AI433976, AV755290, BG114104, AL047763, BF795712, BF971016, AI567351, BE048026, BG110797, AI687415, BG252929, AV733397, AL513803, BE877769, BE964700, AI863014, AL514919, AV681685, BF793644, BE965556, AV682441, AL513911, AV734318, AV733470, BF970162, AI568870, AV758110, AV755581, BG250190, BF343729, BF792099, AV681647, BF970446, AV681548, BE777769, BG107847, BE048179, BG029399, AV758217, BE881155, AV681630, AI934036, AW162071, AV682252, AV758592, AV757158, AI920968, BF968493, AI340582, AV757797, AL120854, AV758806, AV681987, AV710608, AI679724, AV682809, BG105099, AV763915, AI440426, AI469532, AV757018, AV681951, BG109270, AV758668, AI000070, AW117882, AL514791, BF348329, AV715462, BF982046, BG033403, AI580190, BG252914, AV756342, AV756477, AL514691, AI085870, AI349004, AV759831, AV757639, BE887488, AV755613, AI818683, AI499393, AV723204, BF673434, AV682218, AV757455, AI906328, AV756703, BG108147, BE965095, BF726297, AL515173, AL515047, AI500553, AV682697, BG178809, AV682476, BF882343, AV734765, AI758437, AA640779, AV756560, AV682521, AI673256, AW089572, AL513693, AI873731, AI686926, AV710479, AW999049, BF726322, BE048135, AV711509, BE048319, AI631107, BE048081, BG109125, AV729890, AV723062, AV660662, AV762488, AI802542, AV682264, AV682330, BG117375, AV758179, AW238730, AV727776, BF970731, AV681668, BG031815, AL038605, BF107577, BF981774, BG179633, AA613907, AL036980, AV734099, AL040169, AL514803, AV733819, AI349256, AI312152, AI690751, AV682772, AV682051, AI343112, AI349937, AV757827, AV681859, BE047859, AV764059, AI567632, AI609592, AL514303, AX033851, AF116631, I48979, AF090900, AF116691, AF090943, AF078844, AR079032, AF118070, AF116644, AL157431, AL442082, AF125949, AF130105, AL133016, AL133640, AF116602, AF113691, AF130082, S78214, AF116646, AL117460, S68736, AF130075, AL050146, AF138861, AL050393, AX047063, AL390167, AJ242859, AF116639, AF090934, AL42072, AF130059, AF090901, AF118064, AF130104, AX046603, L31396, L31397, A93016, AF090903, AF113013, Y11587, AL117457, AL389978, AB048953, AL080060, AF104032, AL359596, AL110196, AK026608, AL049938, AL133606, AF119878, AF218014, AK000212, I89947, AL049452, AF113694, AL110221, Z82022, AF130092, AL359601, AF116688, AL137527, AF113676, AB049758, A08916, AF106862, AF111847, AF113690, AF090896, AR059958, AK026865, AB048964, AK026741,					
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HDPTE44	92	904763	1 - 4006	15 - 4020	<p>AL528314, AU130887, BE780963, BF966718, AL118570, BE739397, AU126476, AU139315, BF512830, BG115027, AI908306, BE880693, BF540985, BF791388, AU122664, BF035925, BF665031, AI672418, BF206660, BE738855, BG120429, BF129883, BF057158, AW959181, AV724420, BF106186, BF966523, BF213412, AL042137, BF211302, A1042351, BF206917, BF031857, BF515714, BF131974, BE514139, AV696443, BF037314, AW130577, BF129874, AA424461, AV661523, AW130565, AU127429, BF677116, AA902916, AU150429, AL239435, BF665735, BE155330, AV705068, BF212900, AA983275, AV710135, BF432386, BF211687, AA461260, BF057834, AA312396, AI627321, AI160503, N63373, BE502195, AV751301, BF184200, AI884925, BE559625, BE468064, AA186321, AV750990, AA749086, BF513143, AU152756, AA402517, N26419, AW025721, A1418879, BE268734, AA088855, AI042350, AA678020, AU150014, BF184441, AA113363, AI761107, AI457727, AW341372, BE674349, BE270920, AA888970, AA580858, AA649198, AV649723, AA100701, H24854, BE836719, AI819134, AA199866, AW025691, BG010680, R77878, BE087003, AA326555, BE550985, AA188173, AA424417, AI640581, H05951, AL044709, BF930036, BF792719, N41679, N56631, BF923482, AW779309, AI218982, H45855, AV751002, BE089649, C17343, R81295,</p>

HHSAX10	93	904783	1 - 2530	15 - 2544	<p>BE646243, AA502426, BF081703, R11716, AW594429, BE676875, H06000, BE832883, BE931964, AV703744, BE720186, BF748564, T09412, AA460953, BF849176, AA088766, AW021533, AI265945, AV751157, AA437111, AA336899, BE262777, H99315, AA358792, BE155518, BG166471, BE270762, BE313275, BF239379, AA888732, D78877, AI269641, AI469067, AW874055, AW338714, T89695, AW874611, BE825194, N88500, BF445639, BG011279, AW058314, BE677169, AW139207, R17691, AW513547, AW472793, AA358708, AV660383, AI765491, AI582998, T31819, AI084965, AA598573, AV750235, AA730781, AA056000, AA322246, R08530, D61165, AA716555, BE972774, BE169279, AI870585, BE615699, AI870612, BE169269, AA333655, AI678506, AA648833, AA347000, AL528313, R08529, BE247425, BF155632, R44452, R19666, AL040103, AW993917, D62489, BG028138, AA360932, AI763357, AI652881, BF088332, BE327501, AA055971, AV749018, AV748843, AA088700, BE383572, AI570710, AA004833, AI685231, AA178900, AI886543, AW166705, T89515, BE812475, D60417, BE812487, BE937678, AW054783, T48558, AA953749, AI199099, BE812457, AI769397, AI369907, AA199752, BE701083, BF914380, BF508221, BE838996, BE707763, AV646433, BE819207, AV651409, T25765, AA113444, AB018353, AK025737, AK022816, AF202724, X017520, and AK022469.</p> <p>AL536179, AL533946, AL533947, AL537797, BE613134, AI401562, BF343559, AV746302, AW961160, AI928515, BF966793, AV723437, BF526420, BF725404, BF035547, BF034426, AW753303, AV751398, BF940225, AL037012, AV722341, AW291377, BF340849, BG167789, AA446330, AV745305, AI942480, AI332363, AA443173, AV746253, BE326680, AI924756, AI989804, AI089825, AI423344, BF343626, AW264140, AV745498, AI655012, AV745371, AI418141, AV745442, BE783669, AI831023, AI815927, AV745783, AV746250, AI598128, AI685430, AV746136, AA293039, AV746047, AA131952, AV745494, AA446510, AV724999, AI050790, N51854, BE612567, BF530507, N62627, AA131865, AA781772, M62252, BE244781, AI816187, AW162757, AI167936, AV745512, AV726539, AI003401, AA307598, AA349403, AI143672, AW161966, AA148523, BF529438, AI625601, AI445688, AW900480, AI124706, AL037633, AA293431, AV746086, AL534788, AV745509, AA457374, AA148774, AW051680, AW892804, H08939, AI262177, AW296899, AA604202, AA719581, TI5711, AV745470, N78398, Z44301, H89097, H08855, AV708127, H83746, AV745322, BF530020, AW090772, AI880020, AA463482, N45508, AA351563, BE514717, D58472, AV746088, T33816, R26136, AA781761, Z40260, AA912327, AL135377, AV701257, N71208, AA018269, AV732497, AW291641, AL138265, BG056993, H88534, BE858449, BF913258, BE244558, AV746063, AW976010, AA224525, N22006, AI273124, W28157, BE908602, AA019115, AA349402, H80006, T32057, BE796439, BE273856, AV745883, AA526787, AW406447, AA984620, AA577127, H55993, AV696428, AU145083, AU147226, AV684596, AU158906, AL537887, N45466, AV691908, AV762220, AI038990, AL040921, F05944, AW600804, BG034591, AA601355, AL036052, AW079809, AW055226, AW962035,</p>
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HPIAX83	94	906066	1 - 3605	15 - 3619	BG170880, BE927964, AW954276, BE927869, BE927822, AW386244, BE927879, BE927863, AW750978, AI630917, BE927870, BF724110, BE927940, BE927963, BE927825, BE927858,

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HOFNG28	95	908746	1 - 1612	15 - 1626	
HOFB27	96	911947	1 - 1919	15 - 1933	AW961869, BE077141, AW578424, BG255499, BE954315, AI261629, BE077135, AI148063, N36589, AI261572, BF802132, AW937843, AA426509, BF773463, AA432239, AA297161, AI149643, FI2840, AW085552, AI261573, AW964755, AA086106, T74733, AU117446, BF155382, AA190566, AI800802, AV721960, AW863367, AW444435, R05875, AA252523, AW964780, AW959892, AI016747, T08225, BF195133, R10564, BG112973, AA312028, AI149199, AI370265, AI299757, BF514106, AI951761, BF765034, BF961480, BF745812, AA339807, BF961798, BF830434, AW381253, AA297204, AA193676, AI361910, AI565510, AI863790, AA252555, AI279364, AI379019, AI300980, AI431499, AI815225, AI364355, AI024659, AI494214, AI802120, AI351937, AI858581, AI864392, BE671413, AW075432, N55650, AW117663, BG057105, AA041199, R10154, AA227453, AA427655, AA424370, AA243514, AI610249, AA041436, AY008763, AL050283, AY008764, AF194031, AK000923, and AF17325.
HHBHJ45	97	913831	1 - 1633	15 - 1647	BG169391, AW949561, AI310200, BF339286, AI302098, AI654459, BE729449, BE536951, AW968438, BE389695, BF665529, BE277374, AA625808, AA427852, AU154551, AA458825, AU151326, AA428109, AL120902, BF571546, BF222142, AA612971, AU130187, AU126787, AI347584, AI086482, N30370, AU157337, AI271968, W76546, AI688046, W74351, AA807857, BF678409, N95347, H18070, N79725, BF209686, AI347617, AI583445, H09608, AA804327, AA838452, H09609, AA164432, T09029, AW572063, BF337241, AA164431, W76465, BF810348, AI654258, F09074, AA192488, F11408, W72228, W25256, AV686355, AV685242, AW591780, AV698667, AV693138, AV694239, AV684641, AV697086, AA527521, AV693125, AV683176, AV695358, AV685230, AV695077, AA873514, AV684289, AV698337, AV698238, F08059, AW301970, AV691629, T09028, AI308013, AI254516, AI345333, AW301841, AI318573, AW274307, AW302778, AI343199, F04295, AV684299, AW603555, BE778359, AA132390, N62777, T16599, N47046, AW768945, AA459016, AA070813, BF799492, AA133507, AA887062, AA581050, N59845, BE181676, AA873503, AV711509, AL513597, AW301409, BG179993, AL513907, BG104782,

AL121270, BE048071, AW827203, AL045500, BF883916, AV716568, AV682249, BG257535, AW071349, AL514627, AV655645, BG257920, AI349614, AL046849, AI349772, BE018334, BF054789, BG260037, AL515047, AV710479, AV681638, AL514919, AL514791, BE048135, BF969228, AL513693, BE964812, BE047863, AL515041, AV682222, BG252914, AV682849, AV734318, AV758110, BG058208, BF724691, BG114104, AL207510, AW827249, AV723772, AI868831, AW162071, AI064830, BF795712, AV756477, AV729890, BF793187, AI349645, AW268253, BF971016, AL036396, AV758806, AV682476, AL135661, BF679377, AL047042, AL119049, BG036846, AL514935, BG168696, AI433157, AI815383, BF343172, AV723204, BG180996, BF793644, AV681857, AL513803, AL036146, AV717299, AV723062, BF969494, AV711924, BG108147, AL514015, BG110797, AL514691, BF882343, AV733326, AL036802, AV712229, AV715263, AV757096, AV710608, AV756560, BE018711, BG108324, BE964700, AV733397, BF034349, AI433976, AV757639, AW999049, AV681716, AV681630, BG112879, AV682252, AV682330, AV682772, AV758668, BF107573, BG113662, BG109125, BE877769, BG250190, AV682462, AV682792, AW238730, BE881089, AL119791, AV757327, AL121365, BE048319, AI612913, AL514793, AV681668, AV734099, AV681647, AV717179, BG121222, AV755581, AW268768, AV764282, AV760102, AV755668, AI580190, AL120854, AL513943, AV660662, AL514261, AI349598, AV704928, AV682351, AV705644, AV758592, AV681949, AL513631, AV756770, L34600, L37835, I48979, S78214, AF116602, AF116691, AF116644, AF116646, AF090900, AF113691, AF116631, AF130104, AR079032, AL050393, AF116639, AF130105, AL133640, AL117457, L31396, AF090934, AF118064, L31397, Y11587, AL133016, I89947, AF138861, AF113013, AL133606, AF078844, AF130082, AL442072, AL049938, AF130059, AL389978, AF130075, AF113694, AL080060, AF125949, S68736, AF090943, AK026045, AL359596, AX046603, AF118070, AL157431, AL442082, AB048953, A93016, AL050146, AF116688, AF090901, AF104032, AL122050, AF090903, AL117460, AL110196, AL049452, AF218014, AL110221, AL122093, A08916, AF113677, AJ242859, AF113689, AF130092, AR059958, AF111847, AF119878, AF113690, AB041801, AK026865, X84990, AL390167, I89931, U42766, AK026608, AF119875, AX019230, AB049758, AL137527, AL359601, AL050116, AK025339, AB048964, AX019229, AL050149, AF090896, AK026741, AK000212, AB047615, AF113676, AL049314, AL096744, AK025084, AL162006, AB019565, AF113019, AL133557, AL050108, AK025958, AL162083, AF106862, AL133075, AL080137, AF017152, AR011880, Y16645, AF113699, AL049466, A08913, AL359618, AL080124, AF219137, AF158248, AL050277, E03348, AF116649, AF119899, AX006092, AL137283, AF119909, AL389982, AL133093, AK026855, AL137459, AF119899, AJ000937, AL133565, AK026744, AL122123, I48978, AF146568, AL122121, X63574, AK025772, AK026533, AL137557, Y11254, AK026642, AK026452, AK000137, AK027096, AK026784, AL049430, AF111851, AL117394, AK000618, AB052191, E07361, AF271350, A65341, U91329, AL049300, AF125948, AK026542, AF314091, AK000083, AL359941,				
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HHPDV90	98	914163	1 - 1872	15 - 1886	AI811005, AI653359, AI743036, AI568555, AV697280, AA625521, BE048864, BG167806, AI824027, AA401229, BF448652, BF438214, N40011, AA193304, AI130747, AI936637, AI368011, AI080358, AA404268, AW236922, AI275538, AA564363, AI276027, AI624113, AI379074, AI126543, AI275570, AI368003, AA962422, AI191276, AI635306, AI480304, AI492368, W45197, AI333916, W38715, AV702601, AA443016, AI934349, AW960395, AI291511, AA731161, AA488954, AI274931, AA488874, AI582669, AW469885, AA071470, BE079773, AI581645, W38762, AW594009, AI696471, AI383502, N92570, BE646049, AA625343, AI480410, AA613349, AA824555, AI693424, AI096708, AV684337, N27277, AA861317, AA463456, AI796055, AI041748, BE896736, AA335410, AI523346, AI933211, AA194258, AW571434, AI224569, AI868719, AA451885, AA135295, AV683399, CI6240, AA360398, AA257150, BF367469, AW250238, BF515389, AW875802, AA135165, BF927607, AI868703, BE178966, N34385, N42846, AA19446, AA736543, AA584194, AI085242, AA745092, AW613813, BF801143, AC002364, AL353937, AX048063, AF217518, AC008155, AC025593, AC006241, AL049776, AL163194, AC008521, AL109976, AC027319, AF196779, AF265340, AL121926, AC020913, AC010618, AC004999, AC011508, AL356652, AL109825, AC005231, AP001753, Z93784, AC018758, AC002126, AC006160, AL049547, AC004991, AC009247, U89337, U91323, AC008745, AC011455, AC008482, AL450226, AC016554, AC020663, and AA825569.
HWMQM47	99	915068	1 - 1914	15 - 1928	AUI117578, BE747272, BE740691, BF975570, BE791051, BF982819, BF568722, BF663926, BE779854, BE258824, AL534023, AL534024, BF967781, BE253195, BE888979, BE778582, BE252033, BG036978, AV751824, BE883871, BF683473, BE263408, BF307358, BE868436, BE392981, AI804750, BF973051, AUI144804, BE298007, BE779716, AUI145608, BG000903, BF971699, AI146343, AW027129, AI813831, BE395342, AUI144372, BF237544, AI690884, BE786397, AI090031, AA478533, AW268818, BF237818, BE857063, BE296783, AL531481, AW327927, AI378303, BF894721, AA594858, BE256127, AUI59188, AA147836, BG054746,

BF683480, AW029434, AW249985, BF973936, AA478532, BF753083, AW080150, AI340193, AI720024, AI217899, AI457563, AW003638, AA722532, AV702271, A1052193, AW152636, AI720741, AI452498, AA252800, AA927369, AW517403, BE279835, AA315596, AA772707, W86492, AI086888, AI360383, AI470090, BE895081, F25095, BE268236, AA779833, BG026493, W45522, AI038560, AA603343, BF684523, C05832, BF431779, F28006, AI095384, W45535, AW160924, F34141, F33054, AA937123, AA494403, AA886650, AA146630, W88576, AI741309, F30644, W74685, AA194367, W74782, BE264003, AA934037, AA180220, AI262197, AA448874, AW194204, AW020669, AA194452, F31569, R92193, AA318926, AA180122, F19516, H49652, AA147873, AA865938, BF955984, BF800634, AW008701, F27449, AA921303, AA143638, BE171753, BF800748, AW593581, BF800632, BF762249, BF107554, AA304732, T69273, H46362, AA557135, AA305575, BF800763, AA443703, AW162531, AA809527, AI251897, AW769872, BF800641, W22381, F26198, F35403, BE265799, BF054691, AA380255, AA844460, F29747, F31121, F32839, F26864, BE746883, AA669752, AI758971, BF361119, T69348, AI521025, F31803, AA157491, BF876145, AW886732, AA035300, BE814630, AW374418, R88607, H01608, BE814628, AA431916, AA912038, R92297, F26227, AW954001, F33512, BF807053, AA365295, BF894238, AA323119, BF803074, AI474046, AA365906, BE543952, AW582126, BE841147, BF092619, BE392685, BF432353, AA635078, AW797196, AW247391, AW674152, DI2180, AW383300, D45323, BG010220, AA443957, AA626141, BF762238, AW772676, AU076545, T60954, BE937044, BF958137, BE084238, BE814524, AW248481, N88946, T24584, AA833682, AA135574, W86637, AA135512, AA489008, AI521799, AW023081, AL138386, AW082623, AI273856, BF750879, AI742728, AW083111, AF074644, BF892007, AI300660, AI309306, AA580663, BE879967, AI524179, AW022981, BF792099, AL041230, BF797153, AW020397, BE011880, AL036509, AL050386, AK000934, AR070538, AB029042, AR083283, I48978, AF022813, AF081197, AF081195, AF130104, AK026613, AF116631, AF090900, AF038440, AB048910, AL117438, AL137267, AK025798, AR050959, X60786, AF217966, AF116610, AB047904, I68732, AB047941, AF057300, AX016706, AF057299, AF097996, AL122050, AF130056, AK027103, X65873, AX015416, S69510, AF114784, AK025015, U35846, AL035458, AF242189, AF130082, AF019298, AF124435, AK026534, AF201468, AK026855, AF017790, AL133010, E01614, E13364, AF140224, AK024524, AK024992, AL050277, AF119909, AK025857, AF076464, AK000432, AL137256, AR068466, AF178432, I48979, AF314091, AR068753, AK025378, AK027121, AK026353, AL389983, A90844, AK025084, AL110225, U79523, S61953, AF116691, AF067728, AX042059, AK025669, AF155221, AL157483, AK025658, AF262032, A03736, Y08864, X70685, E12580, E12579, AX045159, S83440, A08910, AC007383, A08909, AF126247, U76419, Y12860, AB033884, U62807, AJ003118, AL049426, AL122093, AF130110, AK026600, AF113694, AF091084, AF119336, AK026480, AK026541, AL357195, AF207751, AF158248, AF039138, AF039137,				
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HBGNY08	100	915214	1 - 416	15 - 430	<p>AX046405, AL389935, AR081734, AL137550, AF230496, AF017437, AF119899, AB048888, AF217998, AF069506, AF143723, AL137258, AF141289, AL110296, AL157464, AK025209, I26207, AF260566, AL050155, AJ012755, Z97214, AF055917, A12522, AL133560, AJ250403, AF151076, A08908, AK024533, AL133093, AK026870, U67958, AL390154, AF113699, AL080110, A08913, AF116654, AX015425, AK025435, U68233, I92592, AF026124, AK024855, I09499, AF004162, AR005011, AL110222, AF102578, AJ001388, AJ004832, AL137479, AL110218, AL137716, AL049347, AL080118, AF026816, AK026649, X61049, AF132205, AF098484, AF116639, X72624, AK000083, U72620, A08912, AF130099, AL050116, AL096720, AL133565, AF098162, AL122123, AB044545, AR038854, AR022283, AK027200, AL080124, A18777, AL122110, AK027114, AL117463, AK025967, AK026583, X80340, AK025092, AX015403, U87620, S77771, AB049852, AL096728, AL117435, AB030279, AF008439, AK000653, A08911, AB049892, AL137627, AK026547, Y10823, I46765, AF183393, AJ238278, AK025350, AB007812, AK000323, AF047443, I25049, E06788, E06790, AF146568, E06789, U91329, AL080074, U72621, X96540, AB035194, AK026506, L13297, A08907, AB048994, AK026374, AK024594, AF119871, AF116609, U58996, and A49139.</p> <p>BE880116, A1052526, BF826007, AW168408, BF828616, BF828602, BF825755, BF337344, A1972366, BE221760, AW291494, AW296202, BE221730, A1659795, A1376244, BE502654, BF061519, AW628280, AW628245, A1250922, AW025770, A1142836, BE881510, BE933447, A1042083, A1621341, A1927233, A1824576, BF125935, A1628284, A1379711, BG114432, AW827289, AW088134, BF813177, AA740450, AW051088, A1589428, BE540578, A1637584, AL515173, AA731026, AV727136, A1633297, AW089006, AV709543, AV726200, A1609375, A1890887, BF812937, AW163834, AW051059, A1432570, A1819202, AW172878, A1537677, BE880341, A1567582, A1474646, BG029829, AW026882, BG251264, A1537643, AA738052, AV681719, AW410259, AW132107, BG178351, A1634682, A1445620, BG257656, A1581139, A1475371, A1421091, AW084056, A1813633, A1934011, AL513823, BE875243, BG029053, AW169001, A1345688, BF997967, BG122594, AW020397, AA732156, A1289791, A1679550, A1250627, A1801325, A1445256, AA088789, A1514267, AV681859, A1680453, A1583578, AL048323, A1698391, BF913616, AL048340, A1625701, AV682450, AW152587, A1249877, A1366922, BE895765, AW081383, BE965330, A1401697, A1687728, A1540674, A1561356, AW162194, AV682366, AW157183, AW827206, A1587606, A1263584, A1936003, F26535, BE963310, BG113299, A1273142, A1536574, AL514455, A1433611, A1458588, AW025279, BG164117, A1826415, A1440238, BF343521, A1890412, AW983832, BF924856, A1471429, BG256592, BE880182, BG117653, BG163353, BE791620, BE536058, BG032036, BE061378, BE877769, AW080746, AW834282, A1799540, BF032910, BF911528, BF822127, A1476076, AL513947, BE874133, AW673679, A1310332, BG122101, BE889355, AW192461, AW074605, A1866820, AL042382, BE965455, AW983829, AL040241, A1800473, BE544111,</p>
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HODGH45	101	917394	1 - 929	15 - 943	<p>AF111849, AF155221, AF017790, AK026624, AF180525, AL050138, AL389982, AF061573, AL133560, U75932, AC003032, AK026633, AB047248, AF065135, AF107847, U90884, AF119871, AF141289, AR070212, AB049900, AF177336, AB047953, AK026947, U86379, and AK026630.</p> <p>AW275585, AA489939, AA480561, BF887136, A285651, BE161469, AW057760, AA648942, AW072963, AI086603, AW630599, BE677227, AL138119, AA280886, R22196, AI038990, AI935827, AI446424, AI754064, AW500532, AA731859, AW855729, AA360082, AI174703, BF792103, AW275640, AI952885, AA425283, AW080062, AW935456, BE967607, BF748493, AA584360, AA330435, AI869406, AV683406, BG231195, AW802912, AI300608, AI183727, BF812696, AA548811, AA489390, BG230829, AW342042, AW963785, AA086391, AW975247, H66812, BE171849, AA345665, BE154761, AA016062, AA370761, AI823395, R43468, AW850089, BF530611, AV695910, BE974200, BF698734, AI623505, AI271693, BF933309, AA551580, AA826079, AU151751, AA018175, AV704185, AW169183, AI028148, AI275989, BF770872, AL043285, AW964164, AA021421, AA640305, AI433262, AW750527, H86246, BF958025, BE154704, AL048969, BF346854, AI274462, BE744372, AL049553, X94359, AC005535, AB032485, AF229986, AB000931, AC004922, AC009362, AL109806, AL158815, AC004835, AC006132, AL035460, S45332, AC002985, AC005000, AC008102, Z92844, AC006166, AL136321, Z79488, AF217403, AF124730, U58047, X69907, AC005251, AL157372, AL008726, AC002477, AC004996, AC002039, AC006115, AF000049, AP000311, AP001718, AL121917, AL080245, AF003626, AC005049, Z98742, AC004000, AC003969, AL162458, AC018663, AC009487, AB023051, AC004643, AC005846, AC005179, AC004650, AJ003147, AC006576, AL136307, AC020934, AC000115, AC010205, AC004811, AC004913, AL160053, AC008403, AF243527, AL353807, AL009181, AL031311, AB040900, AC007249, AL035659, AC009484, AL163249, AL031390, AL133163, AF045555, X84066, AC006317, AC007021, AF060911, AC068499, AL079341, AC020904, AK023361, AP000512, AK026899, AK000252, AC005224, M94634, Z48051, AB004907, AC005944, AC006162, AL050328, AC012442, AL353777, AC006474, AC003688, AC005057, AL034420, AC004148, AP001068, AL445196, AC006137, AC007845, AC004477, AL121653, AL133545, AL139327, U91326, AC006011, AC005154, AL035404, AC011465, AC007879, AC009311, AC005519, AC006376, AC016025, AL137818, AF196779, AC005701, AC008038, AL109804, AC005228, AC004797, AC005409, AC005326, AC004965, AP000221, AL138836, AL353811, Z85995, AC022432, AC0073323, U73648, Z99128, AL121890, AC006075, AL139383, AC006121, AC009123, AC006249, AL034380, AL137795, AC004659, Z97206, AL121751, AL031847, AC015550, AC002037, Z69890, Z68287, AC005335, AC004225, AC011491, AC008626, AL118520, AC005962, AC025472, AL133551, AC003101, AC009032, AC005779, AC006388, AC005003, AL008636, Z95116, AC004883, AC004585, AC006455, AL031427, AC007114, AC005098, AC005859, AC005037, AL031280, AC002110, AC000405, AC005546, AC002104, Z99291,</p>
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HWLKE58	102	917716	1 - 2567	15 - 2581	AL035420, and AC004907. AW957184, AL520230, AL135399, AL515934, BE618778, BF056891, AL520231, BF9666712, AI633878, AW515316, BG032703, BG027920, BE042542, AW088411, BE883723, AL518067, BE218306, BE644805, BF087512, BG054496, AW207435, AW771521, AA902264, AW083012, AI818209, AW105148, AI669659, AW514659, BF516057, BE465947, AU152940, AI927938, BF031562, AA310489, AW410334, AW182807, BE465917, BE763696, N21466, AA767314, AI420205, AA054496, AA938728, AI493810, AW771502, AI743602, AW675411, AI090291, AI283114, D81907, AI417561, AA427677, N66098, AA043792, AA573278, AA427532, AA431514, AI752320, AI819645, W19853, AA186486, BG003474, W00707, AI278309, BE349516, AA292620, AI366801, AA058340, AW512566, AA349431, AA973972, AI434568, AA349432, BE221654, BF104164, N62707, AI631297, AA766576, AA345941, AA588743, AW189042, AA724174, AW089555, BF432696, AA187281, AI638738, AI678159, N98699, AI440413, AI917203, C02522, AA829470, AA431188, AI332895, AA653570, C00128, BF998349, AI702887, T40865, AA970774, D79887, AI753861, AA766639, AI752319, D78858, AA809488, AA360504, AI962149, AI440138, AA456027, BF352331, T39804, D62361, AW149169, AW089455, T39783, BE618245, AA328062, AI220712, AI925346, H83314, AI668846, T40872, D78824, AI932606, R77568, BE782129, AI587187, N90043, D61745, N78427, AA300827, AI174177, AA350598, AA043666, R61473, BF089446, AW514435, AA126569, BF089445, BE536123, AA329088, AW796219, AW796258, AA455387, AA292619, AA096434, BF570490, AI624981, AI749472, BF837084, BF838288, AW275782, AW275777, AA704575, AW089135, BE940131, BE163882, BE163878, BF090691, AA348799, AK023143, T39879, and T39889.
HRADL40	103	919433	1 - 1047	15 - 1061	AL523954, AI057097, BE737274, AI740479, BF972939, BE792858, AI797405, BE250379, BE409256, AI418377, BE513939, BG032129, BE734267, BG167040, AI814639, AI817600, AI743696, AW268351, BE563371, AI889412, BF970634, AI623409, BE409777, BE268371, AW612995, BE250540, AW105242, BE464854, AW117856, AW272529, AI745423, BG059988, AI520744, BE407785, AI802882, AW951521, AU151633, AA988074, AA587623, AI864929, AI091730, AI766700, BE299112, BG165794, BE785114, AI382349, AI827080, AI056586, BE387632, AW083461, AI168189, AU129529, AW188543, AI962116, BE789666, AI880229, AI868331, AI338997, AA157276, AW002329, AA258412, AI364317, AW204445, AW197889, AA449331, BF826010, AI564865, AA775328, AW196304, R84307, AA988067, AW473206, AW249890, AA858029, AI480058, AA157315, BG036425, AA192986, BE940591, AA302199, BF109749, AI261917, H08847, T29752, AI742031, AV744823, AW197790, AW197780, AA364515, AA157347, BE205948, AI193424, AA405800, AW243173, AA135269, AA135188, AW250551, AA846661, AA192649, AI760066, AA601382, BF797658, AL036368, AA157251, Z25820, L24774, Z25823, Z25824, Z25821, AC007162, AC005212, Z25822, and U80735.

HOFMP73	104	919895	1 - 2026	15 - 2040	<p>AL534904, AL532610, AL516508, AL518341, AL537853, AL535425, AL536043, BE779892, BE742082, BF342824, BF689584, BE728130, BG036052, BE616486, BE908269, BE263125, BF342337, BE901909, BE744162, AW239327, BE744723, BF314677, BE740545, BE312905, AI909673, BE892672, BF038574, BE741530, BE737150, BF312905, BE616822, BF032371, AW966195, AV683435, BG119309, BF037944, BF314356, BE735054, BE747683, BE907163, BE735491, BF311641, BE260982, BE271649, BE743218, BE736799, BE261948, BE279316, BE313251, BE742646, BE272420, BE336884, BF690789, BE871599, BF689557, BG260726, BE612361, BE737259, BG113153, BE892856, BE281294, AV706514, BF315657, BE98510, BF689643, BF316842, BE261398, BG036139, BF725733, BE939964, BE313385, BE260757, BF525729, BE788732, BE622344, BE742327, BF724840, BE386718, AA037208, AW996326, BE741341, AW160971, BF351816, BF930665, BF976960, BG117567, AV653871, BF984362, BF317414, AW393167, BF691819, BE168310, BG035435, BG252355, BF571880, AA179450, BG119955, AA428750, BE256703, AW390219, BE179920, R91114, AV728232, AI907139, BF087769, AW804565, AI142132, AV647759, AI142136, BF755012, AV723986, AF062716, RS2199, AV646258, BE785514, BE260283, AW838307, BE908603, BE174669, BG118190, AV696733, AA082368, BE174445, AA372215, AA337535, AW368737, AV725049, AV658276, AW948691, AW368840, AW948696, BF037070, AV733360, BG121951, BE698728, AA788902, AA559314, BE259919, AA385829, BF341835, BG118704, AA337949, AA360462, AW948698, BF930434, BF923596, AA376841, BE172795, AV692780, AA362386, BE173127, BF913320, AW068069, BF692127, AW068800, BF803377, T71996, BE173259, AA305777, AW948694, AV708415, W32145, AV709872, BE167028, AW385218, BF081248, AA337859, BF351796, BF844572, AW947386, AA339979, AA379722, AA853192, BF830253, BF907280, BE172880, AA336721, BF032429, BE839327, BE772910, BE772907, BE839310, BE841076, AA337414, AA361134, BE772895, BE839302, BE772893, BE772902, AW450427, BE841048, BE839324, BE772901, AA307018, AA357376, AA360603, BF830142, AV734812, BE170712, BF761106, BE839315, AV648046, BF229791, L16510, M14221, AF285442, AX013195, M13230, Y18460, L22569, L04859, AJ010277, AF044323, AF078844, Z97214, AR050959, X75295, AL137711, AF274348, AF274347, AB052191, AF118094, S82852, AL353940, AB048913, AL133084, AB047947, S83440, X93328, AF032666, U92992, AR068466, AF171061, AF013214, X66871, AF159148, AL050172, AB050431, AK027116, X62580, E12580, I09499, AB051158, AL389935, AL121952, X98066, AK026885, AL137459, AF126488, AK024747, AF090901, AL136984, AK026642, AF116609, S73498, AL080148, AK025350, I17544, AK000250, AR038854, U62807, A08912, AL355719, U95114, X06146, A08911, AL133665, U89906, AK024594, AB048919, AK025632, AK025658, AK026570, AF139986, AL110222, E02221, AL096728, AL161802, AF130104, AF116691, AF119336, X66862, AF098484, AF218006, AL389947, S76508, U72621, AR064250, U96074, AL137461, AF007142, E12806, E01812, AF113222, AF195092, U42766, J05277, X72889, AB020592,</p>
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					X61399, A08913, M92439, AF094480, AL137533, AF167995, X00474, AF130055, AF204760, AK025484, AF061981, A08910, AL049452, AK000489, AF116631, AL080118, A08909, AF094850, AF067790, AL122110, U83172, AF119883, AL359941, AK026633, AL162083, AF119894, AK027096, AF119899, AL117587, AB041801, AK025906, X80340, AK025092, AL050116, AK025113, AB047883, I32738, AF287051, AF208026, AF002672, AL162079, AF130110, U80919, AK025465, AF116573, AF102578, AJ005690, AL110218, AP000081, AK026556, AL080060, A08908, U96683, X96757, AL096727, AR083264, X66975, E02349, AC004554, AF130342, AL355701, A18777, S79832, AF145233, AF038847, AR070212, Z82022, M85164, and AK000247.
HOFMS02	105	920253	1 - 374	15 - 388	AA076264, AA085092, AA080989, AA063334, AA075694, AA084890, AA069099, AA084855, AA084814, AA078759, AA083056, AA083017, AA074846, AA070575, AA069969, AA082755, AA075614, AA075818, AA100017, AA070377, AA070995, AA065075, AA113255, AA070965, AA070321, AA075784, AA075592, AA085065, AA134716, AF093677, L07095, V00711, AB042523, AB042524, AB042809, AB042432, AB049357, L07096, and I62858.
HUVHD12	106	921707	1 - 2708	15 - 2722	BE729461, BF795181, BG108619, BF309103, BE733125, BF027564, BF309068, BE296065, BE281099, BE298511, AW410246, AW409779, BF526623, BF308487, BE298767, AW271999, BE299141, BE298938, AW070334, BF309208, AI810901, BE221973, AI693910, AA029642, AI435095, BE388330, AI765687, AW510727, AW470549, AI862580, AI394548, AI972685, BF589734, N98473, BE223075, BF475345, BF434507, BG059921, AI809960, AI762024, BE779192, AW073339, BF221682, BE856254, BE044436, AW410326, AI763319, AA029710, BE302520, BE465271, AI701495, AI017268, AI799592, AI401766, AI392786, BF308873, BE270326, AW131646, BE390072, AW593466, AI371702, AI638231, AI655706, BF939266, AI369175, AW409726, AI204980, BF308645, BE859057, BF593536, BE205950, AW663740, AI360022, AI278134, AA632035, AA039563, BF056862, AI570638, AI204500, AI362875, BE294172, AI340928, AW294855, AI424041, BF196199, AW237311, AI459219, AI766885, AW016416, AI203132, AA504431, BE551227, AA447758, BF111136, AI910708, N57532, AI767238, AI421493, BG231658, BF740107, W56299, AA279292, W55871, AA845967, AI340930, W76092, AI870442, N49400, N66084, AI051272, R49397, AA834166, N92406, W61301, AA977863, AA279270, AA453689, N49489, BE279899, AA039564, N51462, BG054588, R73170, AA911075, BF475817, BF851978, AA769921, AI378019, BF224168, AI928755, AA379570, AW269014, AW592153, AI886020, BE044396, BF852201, T47196, BF852157, T90531, BE081267, AA300798, AA323087, H69590, AI653392, W72845, AA323218, BF054948, BF111142, T83066, W24631, BF924523, BG149504, AI886244, W65365, BE075405, W24197, AI354659, AI419610, T81327, BF917322, N79047, AI880342, AW449928, BE218696, N46989, AI419132, BE219972, BF304931, AA504197, BE299549, AI370420, AI651959, R02389, Z42404, Z38611, AA676675, N53602, AI350904, BF205597,

HMVDQ41	107	922191	1 - 1980	15 - 1994	<p> TI1533, BE828535, AL445192, AB037836, and AX018071. BE908874, AA403039, AA772356, AA890039, AA706235, AF796685, AW958911, W56103, AA639769, AA707393, AI971384, AI400642, BE349391, AI419056, AA931654, AI074056, AA725449, AW752569, AI278287, AI051080, AA934509, AI056195, AI827412, AA291642, AA252870, AI278795, AI077777, AI344740, AA855074, AA287208, N99681, AA625359, AA707796, AI085793, AA910676, AI375275, AI277706, AA968653, AA482049, AI040845, AA004744, W56146, AA128102, AI038120, AA926651, AI080622, W42934, AI241340, AI419232, AA938251, AA481865, BF939403, N62191, AI350660, AA846421, BE174045, AA928335, AA987944, AA805065, AA325681, AI188852, AI266586, AA401330, AI022609, W37593, AI459456, AA514539, AA480369, AA938533, AA694474, AA642598, AI085080, R55037, BF885412, AI719065, AI022981, R36922, AI868718, N94983, AW204000, H62802, AA284488, AA125812, H62716, H41118, AA639530, T49454, T49455, BF772108, AV698354, AW847806, H42251, T36167, AI350924, AA782685, AA252893, AI051453, R10302, AA214099, W86591, N76488, H42250, N59273, BE165692, AA781103, BF985470, AI191721, AA680383, H22403, R10303, N71946, W19456, BE142862, AA977361, H22370, W42869, BF935739, R55145, W37488, BF942272, BF942336, AI309601, R10631, R10632, N76744, AA213991, BF929098, T24749, AA725118, AW753876, R55007, AA090452, BE146939, BF772122, AI247921, AW028468, BF939755, AI084241, BE348377, BF991587, H58310, AW058434, BF947830, BF991716, BF947297, BF991604, BF943751, BF947310, AW839223, BE075398, BF764247, BF846830, AI137496, AF303378, AF300796, I76236, I76219, AC023790, AL117345, AC005373, AC010326, AC006584, AF111168, AC010205, V00589, X57170, AC007182, AC007221, AB019437, X06789, AI133472, J00063, AF193582, AF193580, AF193585, AC007954, AF193581, AF193586, AF193587, X71804, AF193590, AC006449, X83747, X83748, AF193588, AF193591, X71799, X71800, X71797, X71802, AC026704, M10817, AC005409, X83746, X12811, AL109797, AL158824, AF193592, X12622, X16851, X58365, AC004787, AC007131, AB015590, X04309, AL162718, AF099810, AC005284, AL138976, V00647, L49397, X58368, M35175, X04308, K01374, X58367, M74438, X83749, X63147, J01861, M13919, M13920, AL135978, K01537, X63146, X63145, V01426, J01009, AC007955, AJ245808, AJ242468, AL050331, X56635, X56631, X63148, AJ237911, V00648, S73106, X56637, M13375, X56632, AF284748, AB001499, AP000350, AF284747, X56636, K03511, K03510, AB001495, AF250529, AB001492, AB001493, AB001494, AB001498, AB001503, M13921, X05867, AF250528, AB001501, M18680, AL031658, AC006120, and S73107. </p>
HODGI03	108	922879	1 - 216	15 - 230	
HODHD14	109	922955	1 - 734	15 - 748	<p> AI670994, AA457520, AW008614, AA284465, AU147140, AA834633, W91945, BE879668, BE382371, AA179361, BF841870, AI221804, AL034369, AC008468, AC007394, AC006079, AF003528, AC006231, U96409, AL049834, AL132671, AL121875, AL049594, AC005274, </p>

					AP001538, AL137787, AF022141, AL023693, AP001674, AC002478, AL008627, AL118508, AL161892, Z93015, AL445490, AL157359, AP001724, AJ229041, AL033397, AC005857, AC005226, AC004460, AL445143, AC010389, AF245226, AC011294, AP001693, AC068919, AC020549, AF109076, AC004237, and AC010223.
HODDC03	110	925296	1 - 528	15 - 542	AC009329, and AC020581.
HVCAG04	111	925735	1 - 1594	15 - 1608	AI936826, BE271770, BE385990, AW149665, AW590950, AI990500, BF126050, BF432379, BE392412, BF439382, BE395797, BF125134, AI884686, BE395581, AI742092, BE858216, AW150789, BF939693, BF594242, AI859538, BE378674, BE350014, AI018769, AW338938, BF726459, AI336858, AW075598, AW148557, AI423162, AI363261, AI150931, AI459805, BE395206, AI765236, AW954549, AI391683, AW191974, AI202043, AA173383, AA626797, AW087372, AW075549, R11723, AI937602, AA084249, AA419229, AI566797, AA419214, AA613995, H17965, AV725028, AI499630, AI272281, AA084248, BF054837, BF054680, AA075710, AA075743, AI263480, BG057775, AW771806, AI869176, AA834860, AW128849, AA780222, AA970361, AA574173, R17696, BF935708, AA775244, AA827444, AI969011, AA706146, AA665640, BF726644, AI173739, AI480207, AA496806, H06707, BF508715, AA082074, R14544, AW768971, H17189, AA349894, R43737, AV717094, R41205, AV727120, BF219218, R20352, AA776783, AI767459, AV747689, AI141302, BE386060, AI421975, H06756, AI582720, AI054234, AA582576, BE041936, AI140655, BE746601, BE736301, BF345141, AI299246, BE899287, AI138793, AW014802, BF477409, BF432690, BF125664, AA349893, AI817194, BE827461, AA102212, AA620332, BE858655, BF347279, AA960903, AA994321, AI266676, and AF034633.
HCRCE02	112	925837	1 - 1551	15 - 1565	AW082702, AW182938, N76185, AI760396, AW058256, BF939004, AW890838, BF438133, AI800552, AA996239, AA774721, N39067, AA984011, AI094521, AA456754, AA573698, N95736, N63430, N64772, AA836623, AW890829, T56007, H28396, N48422, H28371, and Z82254.
HHIERA91	113	926067	1 - 2542	15 - 2556	AU124593, BF305985, BE793458, AW411525, BE746024, AW411524, BE745264, BF792014, AW845240, BE378421, BE272083, BG036629, BE273980, AV684577, BF340012, BE873767, BF033645, BF984116, BF980548, BF306936, BE780737, BF436316, BF968051, BE392778, AU148420, BE777873, BF970020, BG254594, AV707425, BE898179, BF969458, AA442297, BF307860, BE176556, AI921390, AW083114, AI432643, BE857417, BE908252, AA434090, AW135378, AI907299, AW129697, AI907302, AI559576, BF306438, AW088122, AA577937, BF855709, BG114638, BG005738, AA437232, BF196470, BF850283, BE905441, BF803784, AA558517, AI952737, AW848212, BF810009, BE076517, BF804862, AW020932, AA434362, AA357638, BE272724, BF741455, BF933621, AI834236, AI653899, BF837849, BF964440, AA479851, BG011157, H53665, AI674310, BF741442, BF799562, AA496510, AA853878, BF033991, BG170573, AW292697, BE396149, AA428249, AA477491, AW973725, BF807612, H53626, BF968611, C01952, N41205, AA430740, BG222431, BF765880,

HAGDL82	114	928396	1 - 1864	15 - 1878	AJ277437, AK022597, and AK000530.
					BF038718, AI052255, AI627552, BF433190, AA890036, AW467145, BF513360, AA679966, BE567783, AA932501, AI655727, N95443, AW613958, H15351, AI308231, AA678372, BE567435, AA861702, AW661963, AW661972, AA844485, AA768243, W69720, W69848, AI025683, N42789, N69505, AI271962, AI953406, AA398963, W24323, AI004883, AA564406, N31480, AW296874, N76230, H11150, AA005413, AA398826, AI770002, AI061173, AI147037, R39153, AW859636, AW859227, Z45949, N54527, AI672289, BF671244, H11062, AA661956, AW970819, R14035, Z41567, AA005414, BF095740, BF095666, BE774830, R01400, AA811935, H15726, AI080087, R01399, AI611688, AA491284, AA582554, AA121777, AI079910, AI569086, AI888441, AI298710, AA468923, AA593471, AA565426, AI733856, AI285696, AI040051, AA332989, AI471691, BF842195, BF337291, AA346586, AW327624, AI160117, AA678436, AA302970, AV763538, AI917132, AA191418, T15897, AL035455, AL049985, AC016831, AC004543, AF017104, AL139182, AF200465, AP000963, AC009294, AF205588, AC074331, AC007386, AL136305, AL122001, AL035451, AC004965, AJ229041, AL109919, AL133238, AP001732, AC007405, AL049696, AP001696, AC020898, AL078462, AP001601, AL117337, AB042031, AL121897, U89335, AL353739, AP000472, AC008534, AP002529, AC006195, AC007390, AC007376, Z97985, AC018897, AC006479, AC009493, AP001683, AC007364, AL117187, AP001698, AC005772, AF015720, AL021939, AL356503, AC020655, AL133355, AL078593, AC064878, AL139395, AP002533, AC007221, AC004804, AL049643, AC007545, AC009223, AL135839, AC002525, AC007388, Z84470, AC009179, AL136084, AL121578, AC005899, AC004385, AC005911, AP001712, AC006197, AL022310, AP001706, AP000518, AL049712, AF107258, AC005066, AC004547, AC005701, AL080317, AL031733, AL163268, AL354872, AL391374, AP001697, AL359704, AL137067, AC007842, AP001669, AL136139, AL160033, AF003529, AL031985, AC007157, Z97181, AC006144, AC069298, AC005326, AP001328, AC007077, AC004655, AL391986, AP001700, AL021528, AC008896, Z70272, AL354720, AC007316, AC007102, AL161804, AL050335, AC007653, AC007528, AP001677, AL133284, AL049588, AL117333, AC009468, AC024162, AL122057, AF188025, AL049759, AC009406, AC083863, AB020868, AL445188, AL136300, AC009470, AC004817, AC011248, AL109828, AC007907, AC004865, AC025765, AL160191, AC069026, AC008842, AL135744, AC004867, AL022717, AL121757, AL138958, AL121583, AL445604, AC010596, AL121919, AC011890, AF027390, AC010363, AC006019, AP000466, AF265340, AC005324, AC007790, AE000660, AC010165, AC007597, AC007563, AL035458, AL022719, AL022165, AC005822, AC002288, AL132718, AP002898, AC011452, AL122002, AL137143, AC008074, AC002086, AC026197, AC002472, AC022013, AL031768, AC019171, AL049709, AL050310, AC002422, AC005071, AL132773, AL109801, AP001672, AC007050, AP000355, AL137851, AC004047, AP001694, AL389983, AL157413, AC008071, AL117338, AC009506, AC027689, AC000003, AL121593, AC004103, AL050307,

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HWBDS34	115	930484	1 - 3044	15 - 3058	AUI130359, AUI18385, AUI130640, AUI27870, AUI27056, AUI28471, AUI29803, BE886921, AW188126, BE889704, AUI28544, AI114658, AA779297, AI936493, AW188141, AL045312, AI553970, BF002279, BF671616, BF061427, AI139399, AA406422, AW151544, AI150128, AA194584, AW131406, AL047872, AI087327, AI004128, AA887912, BE708344, AI801388, AA010422, AA194501, AI500467, R66419, BE150925, AUI17686, H83852, AA973155, H08158, AI910805, H83831, R01915, T75488, AA058677, AA471337, Z41823, AA774580, AA010394, BE041711, T75527, R52813, AI000146, AA214136, AW014661, AI910431, AI798347, R57531, F03794, AA213958, R01963, BE838102, BE707063, BE706963, T86495, R52845, BF110371, AK027051, and D87466.
H6ESA39	116	933568	1 - 1250	15 - 1264	BF033707, BG116039, AI820052, AI399661, BF940969, AW188045, T26603, AI674067, AI091805, AA477591, AA480288, AI218039, AI300906, AW978872, N71816, AI936066, AI245622, AW194052, AA291409, AA639600, AA778322, BG057053, AI334794, BF732599, AI378435, AI201307, AA918657, AW102947, H01857, AA861142, AI352598, AA302632, AA992931, AI360566, AA931399, AA847869, AW967258, AW081519, AI869896, H01858, AI698735, AA403312, AA936581, AA972408, AI025530, AA143416, AA781469, AW341711, AW003441, R46670, AA613528, AA757047, Z92544, and AI391671.
HPCOR06	117	933678	1 - 457	15 - 471	AA455081, AI263465, BF912280, BF912197, BF912198, AC004980, AL109626, AC006031, AC008774, Z83819, AL445590, AE000659, AC026188, AF003529, AL133328, AC023478, and AC034195.
HTFNO06	118	933989	1 - 909	15 - 923	BF684524, BF340318, BG107767, BF681126, AA497123, BE250611, BF673679, AI925369, BE778532, BE250414, AA497045, AI193675, AI125248, AW301040, AA001314, AA063616, BF109644, BF516348, AA039474, AA039475, N91255, AW630056, AW613821, AI991147, AW970517, AI306650, AI128891, AW627576, AW515210, N92376, BF446911, AA781865, AW007579, AA467823, AW630816, AA938705, AA706012, AA467879, AI695530, AA040221, AA831695, AA541653, W73974, AA872459, W72343, AW103804, BE076374, BF331452, AW605476, AA001684, N26202, D31084, AI245152, W19909, BE932204, AI583969, AI672730, AI707545, AA551882, AA578108, AW088337, AA036698, AI365605, BE841269, AA578193, BF931099, AW605475, BG153138, W24618, C02159, W04846, AW975002, AW979204, AW975037, AW976024, AW975942, AW975965, AW971975, AW972845, AW979127, AW972292, AW975032, AW979238, AW975031, AW975628, AW971403, AW976023, AW971404, AW975105, AW969680, AW979208, AW974801, AW975954, AW971968, AW969839, AW972721, AW969885, AW975952, AW974998, AW969791, AW975930, AW974786, AW970942, AW971732, AW975876, AW969673, AW979098, AW973219, AW971375, AW973254, AW979090, AW979106, AW979176,

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HODFY08	119	935520	1 - 456	15 - 470	AA747608, AW975995, AA256200, AI431918, AW886025, BF965611, AI621212, AW867016, AV645418, AI436124, BE048562, AW898294, AW880127, AW880440, BE081675, AW997462, AW880432, AW880266, AW946173, AW880359, BE170427, AW880049, AA228900, AW862989, AW899139, AA558500, AW796080, BE816601, BE010148, AW996482, AA640849, BG057615, AW996413, AW893101, BE816610, BE170365, AW270207, BE000410, AA501690, BE827577, AA721598, AW237896, BE181299, AW237940, AW996346, BE088714, AW795108, AA501719, AA557437, AA910096, AW063981, BE170397, AA503566, AW275631, AA259218, AW996170, BE091646, AW899295, BE082424, BE835169, AW946231, AW996655, AA640998, BE826780, AA713882, BE082418, BE826740, BF332416, BE091167, AW866936, BE082383, AW887658, AW894357, AW946277, AA715611, BG059116, BE089449, BE826743, BE170594, BE826769, AA613748, AA658572, AW880433, AA225819, AW946266, AW238729, BE835200, BE835202, BE082440, BE080195, AW865798, BE079906, BE079912, AW865618, AW880070, BE082419, BE082423, AW880128, BE082437, BE827556, BE816607, AW868862, BF478324, AA226655, AW796081, AA632977, BE168364, AA558278, BE699508, AW894540, BE816614, AA170820, AW884606, AW892161, BE089273, BE816615, BE183896, AW821605, BE007276, BE089602, BE184051, AA650193, BE082421,

HRACK27	120	935717	1 - 2723	15 - 2737	BE835160, BE089293, AW903394, BE089284, BE083828, BE826770, BE089287, BE163413, BE826782, BE835197, AW866656, BE826771, BF735344, AW887483, AW893432, AC006020, AL049780, AC007055, and AL132855.
					AI797673, BF222825, AI638276, BE784408, AV684863, BF217945, AV712945, BF185949, BE707564, AI983071, AW300244, BF949779, BE502956, BF674065, AA999982, BF572901, AI379012, AW237408, BF512700, BE671433, BE221745, AI634105, AA256584, AI672401, AA904964, AI742625, AI925484, AW129743, N45400, AA570413, R17726, R20014, BF593101, H50174, AI287883, AI478134, AW183869, AA629865, AI984609, AI760492, AA126804, AI979187, AA256541, AA400198, AI287866, BE044058, BF954310, AA333809, AL040798, N32088, R14618, AW087798, AA687346, AI949879, AI262174, AI927259, AI912920, AA262622, BE771761, BF590031, AA935907, AI927253, H50126, BF886641, R44828, BF886649, BF957504, AI370543, AW381072, AA400357, AI193434, AI470872, AI473255, AA856870, AB037795, AL133045, AB050258, and DI16989.
HRACW30	121	940639	1 - 1092	15 - 1106	BF976230, BF976543, BF663472, BF976289, AV695127, BF976253, BF663527, BF976434, BF664290, BF975568, BF975451, BF976042, AV703739, BF663671, BF662874, BF975121, AV734840, BF129120, AW575927, BF128686, AW406521, BF664479, BF673606, AW604752, AV651251, AV712126, BF106245, AV683248, AV702504, BF976443, AV682465, AV711839, BF976623, AV696029, AW406562, AV696611, BF663521, AV700457, AV700525, AV696032, AV646747, BF663670, BF663052, AW575963, AV688963, AW950221, BF975235, AW575415, AW575346, BF106080, AV646708, AW575364, AV733319, BF797505, AV733390, BF663197, BF681319, BF663098, BF664317, AW404714, AV686096, AV683109, AA522693, BF526853, AW864112, AW961249, AV651284, BF974584, BF087519, BF663982, BF664384, AW604755, BF663385, AV694333, AW951137, BF340407, BF975821, AI354387, AW406081, BF976602, AW383594, AW379839, AI569037, AW369231, AW406564, BF795850, AW574924, AI921456, BF976146, BF106352, BF976244, AV653568, AV705457, BF976259, BF375248, AW605034, AW380142, AW964425, AV734918, AW576109, BF878285, BE149494, AI432569, AV720327, BF663826, AI694098, BE711071, AI208910, BF881717, AV688287, AI355534, BG107363, BF976425, AW856063, AI254719, BF878299, AV687177, AW582319, BF337917, BF976649, AV698744, BF869617, AW405980, BF883209, BF829419, AW404417, AI990966, BF128841, BF106055, AW383598, BF795261, BF810843, AI250870, AW405817, AV681466, BF870064, AI749799, BF663663, BF105950, BF812159, BE932420, AW383602, BE939490, AI347602, AW383450, BF128587, BF878293, BF976618, AW383597, BF883316, TS8152, T89330, BF878296, AW405753, AW793702, AV692938, AV734331, BF829413, AW383454, AV734312, AV690568, AW383452, BF842477, BF664084, BE064617, AW794639, AV682898, AW383536, AV690475, AW383539, AW383625, AW864088, AW382758, AW391263, AW383549, BF829086, BF828085, AW383591, AI933674, AW406495, BF337912,

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HOFOC32	122	941969	1 - 1883	15 - 1897	AL52432, AL52431, AU132058, BE798843, AU139276, AU19208, AU138608, BE779199, AL042862, BE619080, BE619600, AU137132, AU138251, AU139095, BE736021, AU139250, BE736975, BG166907, AV702693, AU135166, BF680307, BF724892, BG032973, BF694955, AU117328, AV699036, AL080042, BF338982, AV699058, AV683938, W02541, BF126282, BE439809, BF377282, BE047356, AA410911, AW374122, AV691776, BF762187, AW957493, AV687261, AW629925, BG252180, BF762186, BF367040, AL535766, AW899940, BF951967, AA053196, W45135, BE831552, N24471, BE545515, AV654362, AA813270, AW892301, BF356093, BF855109, AI459881, AV763974, AA336819, AA337375, T83705, AI669408, R96269, BE246428, N73356, BE677673, BE241862, Z18911, N39900, AA345382, AA090019, BF996474, R17144, H99188, AW615320, BG010667, AA294859, AA089600, H04517, BF376026, BG236821, H23366, BF889430, AW390191, BF061792, BF968205, AL046849, AI613017, BG058208, BF882343, AV727776, BG110684, AW059837, AI249257, BE781369, AL040243, AI633419, AI828731, AW129202, AI284020, AI273142, BF970449, AW196141, AI554484, AI912866, AI702406, AI445165, AI702433, BG164371, BE047952, AI872711, AI568870, AI952360, AW118512, AW131954, AI612920, AI349933, AI690312, AI570384, BF724691, AW071417, AW002342, AI569616, AI475451, AI799199, AW082040, AW169671, BG179993, AI610756, AI866002, AI433976, AW132034, AI678302, AI499463, AI610645, AI636445, AL043326, AI811344, AI571551, AL120854, BF055737, BG031664, AI224992, AI554427, BE963918, AI636719, AI539153, AI269696, AW071349, AI868831, BF792469, AI498579, AI590120, AI922901, BF795712, BF344652, AI349772, AI648684, BE964700, BE964812, AI857296, AI537677, AI539771, AW301409, BF812933, AI866608, AI866100, AI269862, BF343172, BF341801, AI308032, AI862144, BE544111, AI440239, AV732936, BG180034, AI612759, AI491852, AV735353, AI045266, AI273048, AF112227, AF153979, U49188, AK026045, I48979, AF219137, AL133640, I89947, S68736, A93016, I89931, AF218014, L31396, L31397, AF113676, AF125949, AF104032, AF090903, E03348, AX019230, AK026855, A08916, AL133093, AI389978, AF116644, AF158248, A08913, AL133565, AI359596, AF116649, AF116639, AF113013, AK026865, AF078844, AF130082, AL050393, AX046603, AK026741, AX019229, X84990, AL133557, AF116602, AF116646,

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HTTDM15	123	942511	1 - 1895	15 - 1909	BE883532, BG107414, BF314540, BE898459, BE746984, BE542496, AW958579, BF573504, BE734208, AU125474, AW953779, AW292502, A1802426, AU149129, BF575571, BG031927, AA436628, AU150986, AA076658, AA046746, BF081743, AA046670, AW294732, BF095716, AW673051, AW601449, AW601455, AI601235, H66950, H66951, R85537, AA363520, R40736, AI202299, BE092409, AA363830, BF085875, AV749014, AW190087, AA808657, T98596, AW896216, T98595, AA355808, AI910194, AA079565, AW377204, AW377198, AW377106, BE699057, AW377170, AW752839, AW362224, AI223245, BE186054, BE832662, AW579894, AW579890, BE876022, AW377180, AB007866, and AL109823.
HOVAY63	124	944031	1 - 729	15 - 743	R32912, R32812, and AL022725.
HDPFY41	125	946502	1 - 2106	15 - 2120	AL042656, BF982270, BF678765, BF095732, AW971745, AV681512, AV681529, AV681509, AV681500, AV681492, AV645393, AV645392, AV645390, AV645385, AV681526,

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HCOPB92 HBJHO83	126	948608				Y14971, AR019096, A93444, A46342, A46343, AB026436, AR055065, AX046357, AX040911, AR054110, A30600, AR032878, AR055066, AJ251859, AX030435, A81671, AR066494, AR060234, AJ279014, and AR069079.
	127	948708	1 - 466 1 - 963	15 - 480 15 - 977	AC000120	AW139587, AW206289, BF439266, AI418005, AA196170, AV721569, AI493150, AI539840, AA827263, BF525553, AA342835, AV723060, AL135079, AA992466, R84740, AA018860, AA889455, AI032948, AI086195, H05897, AA136660, AI052553, AA335442, R96455, AW341838, R96454, AI204085, AW277153, AI004047, BG253018, AI916309, BE219764, BF439900, AI123630, AW339238, AA521073, AI144557, AA935749, AW207577, AI269030, AW513165, AW611961, AI554132, BF335547, AW604457, AA777781, AA946701, AW604440, AI184875, AW578528, BF945235, AW205588, AV720037, AW373059, AW373058, BE706100, BG026120, AC007276, AC009276, AC078847, AC020910, AC008760, AC022143, AC008747, AL117337, AF205588, AL050308, Z98950, AF030453, AC005088, AL110162, AC005919, AC003682, AC009196, AC011449, AC007793, AP001748, AP001630, AL356234, AC022150, AC005229, AL031432, AK022963, AL031846, AC006987, AL031602, AC008969, and AA583226.
HWMEO44	128	948719	1 - 3170	15 - 3184		AU137551, BE395366, AI304317, AW873045, AI860936, BF055055, AI394148, AI807018, BE930782, AU157883, AI131366, BE930853, AA862613, AI377403, AA126958, AI279884, AW473660, AW297366, AI951292, AI801182, AW206733, AA659802, AI127181, AI807789, W35110, AW044562, AI263384, AA626115, AA127167, BF886019, AW474787, AA133858, AW438973, AI478424, AI350993, W23677, AU139094, H48882, AI784505, AI873664, AA133857, BF478061, BE547913, BF973166, BE154191, BE814299, AI015764, AI520921, AA295407, BF820817, AI826302, BE002337, AI891052, AA310690, R86154, AI718930, AI890831, AW999311, C02402, AA669161, BF094289, AW612303, AA506435, F05073, BF931686, AI056063, AA326471, AW962216, AA485879, BF916803, AA814996, AW995444, AA633940, AA628592, AA514284, AK023661, AL137608, AF038963, AF181119, AF319661, AC010139, AL158824, AC020647, AC004021, AC008179, AL356118, AP001625, AL121763, AL138996, AP001747, AC062033, AP001626, AL359693, AC005704, AC009262, AC004863, AC005686, AL445465, AL158159, AL031073, AC007021, AL034452, AL355382, AK021584, AL118498, AF270569, AC009113, AL158033, AC018900, AC006988, AC078937, AP001039, AC007749, AC009410, AL136300, AC009757, AL359694, AC007455, AL121933, AP001732, AC000392, AC010361, AC005017, AC007363, AC006322, AC012405, AF131798, AC005521, AP001671, AC004231, AL355492, AL022719, AL391818, AF130359, AC005815, AC008177, AC009294, AF212831, AL356954, AC010180, AC006024, AL136501, AC007677, Z80771, AL049833, AC008123, AL138714, AC008952, AC026239, AC008838, AC009365, AC004108, AL163213, AC004078, AC005948, Z54246, AL357129, AL159996, AL121947, AL096828, AC009362, and AI310056.

HFXJA96	129	949001	1 - 1041	15 - 1055	<p> BF793559, BE742939, AW007066, AI869968, AW273225, AI700037, AA443693, AW291991, BE328045, BE747815, AA77593, AI420588, AI033693, AI457222, BF221961, AI954483, AW084920, AI049858, AA203157, AW958390, AW194899, AA777584, N99910, AI150737, N99913, AA379692, BE468258, AA527616, AI458637, AA447078, W25289, BF845179, R80028, BF572256, N75501, AI214958, AI241596, BE799357, F10487, BE736238, BE392003, BE464214, BE391216, BF090234, R79938, R00703, BE735896, AV718692, AW966330, AV707024, AW975618, BE312058, C14331, AV742732, AW964468, AV724520, AV718681, AV705066, AV718489, AW973541, C14389, AV718800, AV699550, N71180, AV720791, D80164, AW978634, AW978648, AV701645, C14429, AV727990, D59467, AV699927, AW966053, AW973445, AW966054, AW960465, AV721644, AW966062, AW960553, AW964477, AV719468, AV720211, AV719783, AV720464, AV719188, D80227, AW966534, AW966022, AW966050, AV731510, AW959062, AV703472, AW966531, AW966041, AV718707, AW966013, AV719822, AW959570, AW966029, D51799, D59275, D80195, AW975621, AV701004, AW966075, AW966065, AW949654, D59502, AW973334, AW959597, AW959799, AW965185, AW965197, AW965175, D80269, AI611738, AW973307, D59610, AV723772, AV742048, AW949641, AV719557, D58283, AV720731, D59859, AV720150, AW959582, AV699447, AW975613, D80022, C15076, AW959628, AW960473, D80166, AW973474, AW973488, AV718931, D59889, AV720203, AW964756, AV718938, AW965158, AV738340, D51423, D59619, AV718633, AW975605, AW978661, D80210, AW965163, D80391, AW973485, D80240, D81030, D80253, AI802240, AV703042, D80043, D59787, AW958992, AV722801, AV719324, AV718440, AV720028, AW956434, AW965177, AW965196, AW965184, AV720878, AV718844, AV718770, AW973482, AW966389, AW958993, AV723927, AW959136, AW964488, AW962082, AW949656, AW949642, D80378, AW964737, AW960454, D80038, AW959202, AI557751, AV744690, AV683513, AI358701, D80212, D50979, D80193, D80196, D80188, AW949646, AW949633, AW966059, D80219, AV720220, D59927, D51060, D80241, AW949658, AV741220, D57483, AW966043, D50995, AW975623, D80024, D80366, AA305409, AW960532, AV721386, AV700889, AV742735, AW949629, AW949632, AW962245, AW973330, AV720812, AW956397, AW949653, AW949645, AW949631, BF089679, AW949643, AW949618, AW949657, AW949655, AI829327, AW966030, BG029829, AW966032, AV723097, AI610645, AW964532, AV742022, C14407, D80045, AW753053, AW966023, AW960570, AW177440, AW959469, AL036954, AW973490, AW103442, AW960504, AW973447, AC011500, AX033851, AX047063, AR018138, Z82022, A84916, A62298, AX047064, AR070327, A62300, AJ132110, AX027925, AJ302649, Y17188, AR072729, S68736, AF058696, AR087649, X82626, AL137480, AX047062, A30438, AX021518, AB028859, AK024594, I48978, AF106657, AR008278, AL096744, AF119865, X67155, AX040974, D26022, AX035434, A25909, AL133072, I89947, AK026927, AF113019, X68127, AK027204, </p>
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HTLGV19	130	949574	1 - 744	15 - 758	AL518685, AU118408, AI392811, BF435451, AA478198, AI435141, AI803046, AA478040, AW206706, AW367708, AA846117, AI928295, AI928292, AK024084, and AF178985.
HMSAC18	131	950257	1 - 1201	15 - 1215	AU130929, AI814257, BF666825, BF110784, AI935638, AI420022, AA777386, AI554876, BE671069, AJ014540, AI688634, AI697997, AI688556, AW297238, AI806683, AW263154, AI589076, AI149951, AA806969, AI741202, W44753, BF515202, AA974046, AA931887, BE763568, AA382865, AW969873, AW614265, AW082158, AA781969, R23772, R09585, AI207121, AA484643, AI538065, AW440609, AI619547, AI088390, AI741925, R09490, AW196711, AI584006, AI702846, AV755023, AL043103, AW959372, AW951170, AB023584, AF228917, AB020860, AK001608, ZA7777, A30438, L40401, I25947, U46128, AJ133038, and AR040601.
HAPRB43	132	950475	1 - 2152	15 - 2166	BF338835, BF793959, BG260639, BF971421, BF029896, AI654147, BF132023, AI810992,

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HCCMD55	133	956895	1 - 831	15 - 845	<p> AA508185, AA507469, AI027643, AA622967, AA587020, AI832382, AA675917, AI826640, AW004708, BF680504, AL038837, AL039074, AL037051, AL036725, AL039564, AL039109, AL039108, AL039156, AL039128, AL038531, AL039659, AL039625, AL039648, AL039629, AL039678, AL040992, AL039150, AL045337, AL037726, AL039423, AL042909, AL039410, AL039085, AL045353, AL036973, AL044407, AW374686, AL039386, AL039924, AL039538, AW979228, AL038821, AL044530, AL036418, AL037526, AL036196, AL037639, AW975143, AL039566, AW973200, AL039509, AL038025, AL043445, AL037615, AL043441, AI721017, AW969885, AW276663, AL045341, AL134524, AL036767, AV743601, AL045794, AV746102, AV758878, T24119, AW064110, AL043422, AV718844, AV720464, T24112, AV738934, AV701012, AV701118, AW979144, AW969911, AL036117, AV737584, AW013814, AL043423, AV735727, AL036924, AL037082, BF294063, AV717989, AV717980, </p>

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HKBAL08	134	958219	1 - 852	15 - 866	AI598222, AA722521, AA961088, AW813731, BF953169, T47819, AA297068, Z40359, AI698654, T47848, AW384795, AP001711, AP000248, AL136295, AC004867, AP001748, AL133245, AC004166, AL354720, and AL158830.
HKADF15	135	960658	1 - 2143	15 - 2157	AL537210, AL533136, BF345427, AW149077, AI189363, BF725380, AI052124, AI972848, AI336302, AI816720, AW192810, AW055174, AI148561, AW026468, AW072848, AI889989, BG163656, AI678779, BF966582, BF349689, AW152007, BF344992, BF337402, AV733778, AL533137, BF969402, AW964811, AV702560, AV752950, AA411195, AA632007, AI754763, AV725935, AA187659, AA488502, BG012437, AA411095, AA488517, AW380192, W81692, W68748, AV733973, AA128063, AA579881, AA037211, AA488385, AL535898, AW581075, W29006, AI127593, BF958186, W81265, BG000741, AW581079, BE138892, BE856061, W81693, AA479844, AA044753, AA707190, AI005306, AA186718, BF382521, AI128816, AA838684, AA112161, AA937185, AI128549, BE765227, AA488370, AI038838, AW510870, BF590113, AW241743, AI191854, AA634260, AI375760, BE697900, AA946838, AI122640, AI799431, AW150253, AI807683, W67176, BG000745, N39772, AI610621, AI126866, AW088704, W68726, W94696, AI189851, AI423369, AI167706, AI750804, H09725, AW014642, AA682978, AA186659, AI701245, AV725200, W17262, W47107, AI620250, AW085733, AI365999, BF243094, AV745950, AA102171, AW382122, W69696, W84609, AI066654, AA186789, AA188311, AI038848, AI138433, W80472, H10483, T95046, AW005675, R52327, W45606, AI750805, BE714469, AA186646, BG009129, AA705736, AI375026, BG013718, AI742719, AI096392, AA970331, AI189681, H42958, AI831119, R64072, BF726628, AA181038, AA083962, W67175, BE168843, T15745, BF934277,

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HOGES55	136	961337	1 - 1963	15 - 1977	AW182452, BE250716, AI890424, AI640157, AW474326, AW130973, AI056660, AW150989, AI288965, AA242985, AW793562, BE250569, BE465736, AI744015, AI651429, AI636121, R06846, AA251971, AV650220, M91487, AI985781, R06845, AW363115, R02003, BG037194, and C01117.
HKZAJ14	137	961458	1 - 1254	15 - 1268	AW976735, AA883247, AW317020, AI091039, BE349081, BE221788, AI080490, AW009024, AI421443, AI141417, AW838561, AI333982, AW020988, AI332667, AI003921, AA740607, AI373690, AA424587, AA400517, AA972391, AI379240, AA633581, AI370902, AA620797, AA757270, AA909500, AA424632, AI680616, N32107, BE858145, N56779, AI870568, R71439, AI270464, AI085139, R43738, Z41046, AA225666, AI767739, AA502917, W37208, H00748, BF511394, BF887497, AI270546, AW271656, AI791895, AW805578, AA225611, AW370265, AL041562, AI792126, AI299358, R89180, BE671252, AA809663, AW183464, AW838715, AW838708, AL036881, AW029142, BF764614, AA805240, AI872415, AI351544, BE143557, AW299713, AW367344, BF875698, N74449, Z19142, H54493, T50149, D29384, H73186, H90881, AL133051, AF227906, AL021329, AL157406, AL157381, Z83843,

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HLHAE14	138	962362	1 - 2040	15 - 2054	H49208, AL248942, AA358780, H60492, H60446, AL243090, H49394, AP001724, AL031591, AC006924, and AC005234.
HBCJN16	139	965190	1 - 868	15 - 882	AI978837, AI627369, AI564009, AI628545, AI690964, AI538855, AI860651, BF222777, AI683754, AI970793, BF436904, AI812041, AI829891, BF589851, BF032982, AA642553, AI560810, AA470903, AI359026, AI921985, AW664949, AW591110, AI083732, AI818681, AI827128, AI961526, AA125808, AI160064, BE898095, AI564610, AI624988, AI924700, AI278468, AW874402, AA483290, AA858390, N52182, AI225074, AA766421, AI376593, BE396135, AA830375, AW473661, AI698343, AI986231, AW950982, R89609, H78819, AI540430, R88929, BF691490, AA653492, BE382384, AI424782, AI241315, AI699227, R59708, AI613142, AW473446, AI244930, AW051166, AW193591, AW797434, AA909760, AW242968, BF221706, AI336173, AI923108, BF364662, AA128281, AV733824, AV757816, AC004602, X97966, X14479, X14047, and X72874.
HCGAF29	140	965372	1 - 2309	15 - 2323	AL528207, AU124711, BE745523, BE740018, AU124009, BE730967, AU132736, BE899077, BG261113, AW968672, AW971792, AI492156, AW235604, AI880771, AI697107, AI638177, BF183859, AU148517, AI968089, AI624692, AI378254, BE349453, BF062207, BE505015, AU150234, AU154209, AI922229, AA775806, AW044370, AI086087, AI151386, BG105708, AA423984, AA278565, AI073529, AI203148, AW117988, AW470396, BF827404, BF880196, AL135528, AV681665, BF445663, AA423985, AA481532, AW779281, AU127788, AI567161, AI266199, T93231, AI696723, AI655248, AA916500, AA811605, AI749400, BE927591, AA481598, AA523223, AA431069, AA522577, AI696237, H42013, H42014, T92694, AA743286, BE302733, AA258068, BF939161, AA417908, AA723166, AA418159, AL119399, AL119511, AL042382, AL042544, AL119457, AL043152, AL079794, AL134524, AL043168, AI675778, AI370623, BG166654, AI270183, AI613144, AI521799, N25033, AI368579,

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HAHEF81	141	967634	1 - 702	15 - 716	<p>AL110218, AL389982, AP001666, AK000652, AK027081, AK026528, U89906, AL117626, E12580, AK026541, AK026959, AK025092, A08912, E01314, U62807, AK025708, AK024747, AL161964, A08911, AB052191, AL137459, AX020124, U79523, A57389, AF130056, AK025391, AF054988, AF115392, AK027103, AF131821, AF017790, AK025632, AB044390, AF044323, AF124435, E08516, AF167995, AL133560, AF05932, AK024533, U92068, AK000074, AK026571, AF126488, I09499, U83172, U75304, AK027209, AF158248, U73682, I32738, S76508, AF104032, AF130104, E03348, AK026597, Y11254, E03349, A76335, and AR029490.</p> <p>AV683103, BE305206, AW001250, BE305236, AA643098, BF058371, AW054839, AW973518, AI833102, AW083028, AW469562, A1089867, AW134724, BE563230, AI770105, BE798906, AI859283, BE794306, BE727113, AI802405, AA576674, N94517, AI310487, AI367446, AI220318, AW079526, BF431056, AI309785, BE791858, BE736541, BF685650, AA576675, AV700158, AI810441, AA868821, H91632, AV722364, BE305124, AA884876, AA745899, AW406468, BF591335, AI887153, BG025439, AI091509, BE386733, AW083220, BE293628, AA587461, BF877339, AI245325, AI684772, BE250144, AA114265, AA548065, AW296891, AI766800, AA085398, AW071593, AI919368, AA113184, AA886171, BF888965, AA08285, AI611050, AI805079, BF889006, AA305339, AA887298, AV696144, AI352497, AW151136, AL119863, AI862144, BG180034, BG030364, BG031539, AL041772, BF904244, AV655280, AW772685, AW020693, BF038131, BG256592, BF816037, AW268220, AI334450, AW673679, BE904051, AV704696, BG120816, AI520809, BG168549, AI610086, BF970449, BE785868, AL036274, BF814420, BF672397, AI269862, AI610756, AI689379, AI952217, BF822127, BE256437, AW827276, AI284517, AV721521, BE672647, BF968205, AI336633, AW148320, BG031664, AI498579, AV715560, AV760102, BG249582, AI251221, BF854113, AW827289, BG110517, BG164371, BF812933, BG031815, BF341801, BE048071, BE246734, AL119791, AI349967, AL036631, BG036846, BF727072, BE047852, BF338723, BE876033, AA427700, BE047737, AI537244, AI569583, AL041150, AV757639, BE544111, AV645906, BF038134, BE877769, BF792469, BE874133, AI364788, AI335209, BE047952, AI829327, BF812431, AI609592, AI042628, AI270707, AW023590, AI174394, BE880182, BF032768, BF726198, BF339322, AI889953, BG024332, BF826445, BG260037, BG168696, BG034609, AW082594, BF904265, AI349226, AI439478, AW103371, AI468872, AI955866, AI433976, AI500146, BF795712, BG257535, AI309401, BE886728, BE963035, AW268067, BF970768, BG112239, BF856052, AI620284, BF812938, AI524671, AW302992, BF814525, AI570384, AL045500, AI433157, AA572758, AL040241, BG026428, AW946806, BG252929, BF344652, AI636719, BE965724, BF814335, BF527014, BF816455, BF812960, AI539771, AI800453, AI340582, AI800433, AI039086, BG032208, AW071349, AW268122, BG029667, AI340603, BG110684, AI537677, AI445165, AA225339, AL120695, AI282326, AI500659, BE905749, AI554821, AW858243, BE887488, AW169653, AI349004, BE904178, BF885675,</p>
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HBJAB02	142	967807	1 - 1682	15 - 1696	AL529646, AL529645, BE898304, BG112747, BG036058, BF791411, BE392384, BE621757, BE548173, BE895853, BG034671, AA808894, BE901085, BE278873, AW152607, BE795658, AW166898, BG122141, BE782474, BF972826, BE793716, BE140314, AW750993, AA826362,

					AW517942, BE714673, T59668, BE731030, BF939314, BE732766, BE745104, AI290469, BF477770, AI805651, AI961329, AA581089, BE902575, AW197375, AA974066, AI950259, BF802171, W27729, AV693783, AA877530, AA715365, AI968889, AA885542, AA160748, AA386371, AA335719, BF873961, W73105, BF223151, BE740826, AL120854, AA318192, AA501478, BF125073, AA581100, BE548914, AA658457, AI948815, AI621069, T59802, AA468534, AA503715, BF850755, AW956069, AW841506, AI144504, AA352215, BE897964, BF883404, BF373009, BE090290, BE168997, AW855521, AW820855, BG230749, BF376598, BE622839, BF923143, AK000069, AC015651, and AF147378.
HOUCR01	143	968171	1 - 2007	15 - 2021	BF346477, BF970344, AI884801, AA233924, AI125760, H97661, H18098, H19086, AI193252, AI085879, H11343, AL134720, N23132, BF926085, AI671245, BG056879, D81062, AA412275, AA552173, AA503379, R49191, H18987, H19618, R34661, AW590283, F04762, BG056899, BF947363, BF509640, D60732, AI870535, H19253, R07822, H11367, AB046639, and AL109677.
HDTIG18	144	968454	1 - 1566	15 - 1580	AL526279, AL529830, AL524370, AL528814, BE562759, AL529831, BG165233, AL524371, BF685557, AI133513, BE887721, AI057617, BG252265, BE562767, AI982853, AI831623, BE515156, AA648914, AA873629, BE256597, BE222487, AW958929, BF725899, AA280089, AA878448, AW248558, AA744548, BE504278, BE795016, AI304316, BE302017, BE252066, BE295640, AA781577, AI185163, AI955795, AL526312, AI422964, AI571353, AI185152, AA460511, AI313197, BE018406, N32767, AI371028, AI696978, AW439404, AI150883, BE909535, AA447517, AA759128, AA806385, AI358552, AL536983, BF839452, AA459868, AA416893, AI859544, BF512726, AI023406, AA948038, N46869, AI369825, AI128795, W68616, AA025669, AI970652, BF055247, AA934724, AA448500, AI192983, AI167362, W86098, AA864949, BF684491, W69447, AI056657, AW368494, BE263673, AI301282, AA720593, BE695982, AA470054, W72840, W68762, N53510, AI249484, BE540573, AA974936, W69530, AI038444, AA936842, AI348453, AI014303, H98698, AA709334, AA808641, AI312674, AI199491, W92405, BE790027, N81039, AI057225, T03564, AI568703, AA626030, AA973884, AA602321, W00672, H12272, BE259065, AW591539, AA020993, AI368079, BE304909, AW514017, AA670069, AI933159, AV738245, AW058033, AA255941, W35340, T32967, AA568156, AA908647, AA054004, W37082, W46670, W46477, W69899, BF445619, N41767, AI630758, W92406, W86132, AA084553, AA256083, AW172949, AA903756, W72841, AI420992, AA280018, T19225, W69900, AA025668, BE858644, AI160240, BG054803, BE769759, N24265, AV754922, N69042, AW519261, AI475440, AV755645, AW952445, BF432703, AI073732, H80576, AA384632, AA954180, AA977386, AA731196, BE782364, AI546958, AA864850, BF088237, BE769753, AA018468, BE261321, AW661944, Z40864, W07667, AI084547, W37839, T89010, H18524, AI751885, AV744297, Z45130, AA022626, T31441, AW629168, AW362019, R41618, W23741, AA629248, AA059201, H80524, AW149176, F08633, AW368488, BE293875, BE910358, N80003,

HBLGD30	145	968949	1 - 3937	15 - 3951	<p>AW797801, AW797860, H84422, N47190, AA912856, BF929993, AI872803, AA477003, AA016236, T35431, BF792937, AA022773, BF927154, H12273, F01896, H84421, BE910534, D25627, AI870539, C20582, AF085362, AB017644, AF003346, AC002524, X92664, X92665, AA059305, and AI475258.</p> <p>AU134073, AU133830, AV648674, AV649343, AV661909, BE439435, BE884067, AV684104, BF130482, AW950668, BG179663, AV720745, AV719320, AU134196, AV658379, AV682989, AI683839, AV734860, AV718561, BF921039, AA219354, AI769578, BE988808, BE971367, BF126657, AI269889, BF574193, BF726784, AV720490, AA741202, AI687338, AU155184, AI302101, AV718636, AI950030, AI889538, AW419072, AA918982, AW088433, AI761095, AI309991, AA281666, AI923375, BE513666, AW006277, AI924724, AA166902, AA402240, AW273276, AU155289, N53433, AU149941, AW015771, AI963654, AI922198, AI458138, AA492037, AI165601, AI128266, AA946849, AI277947, AI343881, AA402701, AW474149, AV652478, AI289226, BE672470, AV682550, AI467936, H04844, AV648804, AA166973, AA171809, AI288268, AW303836, AI823730, BF924128, AA169335, AA769673, AV655147, BE971266, AA165482, AV661997, AI921934, AI358150, AI985661, AV651692, AI277803, AA283660, AI172240, AI812089, AI301236, AI690616, AA171694, AV658439, AI538280, AV658013, AV650229, AV656880, AW193233, AV656493, AV649185, N69299, AV720068, AV650236, AV658487, AV659340, AI064929, AV686668, AV652883, AW839157, AV695293, BE081066, AA661833, AV697695, AA172005, AV657340, AV654764, AV654748, W22608, BE006635, AW950671, H86642, BE065513, AV655339, AI886539, AA953507, AI933892, AV659795, H04754, H782343, AI194079, AI524590, T68167, AA832118, T69598, AV661653, AV709878, AA333043, AI857292, T71679, T40113, T40914, BE934168, T51148, AW839165, AW118431, BE567199, AW089848, T28653, H86554, AA333248, AW167184, T68242, AW890922, H42697, AA344502, T67818, T67969, T41019, AV652268, AA283661, AW445174, AI926046, BE936564, T96670, R26189, AA344900, AA166820, R46148, AA825794, AA344899, AA527160, BG235955, AA171782, AV652035, AI684991, AI613148, BF571293, AW576487, AV696380, AI648426, BG054975, AI421700, AW050523, AW026809, AW519214, R26437, AA603131, AI301343, AW440530, AA863095, AI479558, AI310961, AW244013, AA172094, AA191647, BE172361, AI933890, BE936569, AI949429, N40513, N50749, AV659135, BF056055, AV661586, AW576821, BE392045, BE065578, BF087108, BF841532, BE065575, BF839027, AW372005, BF837371, BF844137, BF841534, BF155460, BF837360, AW606252, BF087056, BE065616, BF835820, AW383782, AW372003, AW383748, AW372012, AW383775, AW382951, AI909730, MI13699, MI13536, L33869, AF202115, AF134814, MI18058, U49430, AK026357, D00025, X69706, Y12178, D45045, D45038, D45036, D45039, D45033, J05506, D45035, D45037, X04136, D45034, D45040, D45044, X04137, D45041, S77464, D45042, X04138, AF134057, Z24023, AF260927, AF075665, AC004226, AC009242, AJ31017, AF141647, and</p>
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HFTHK04	146	969387	1 - 904	15 - 918	AC011327. AI949559, AI810510, AA203625, AW959632, AA702005, AI991043, AW340445, BG251324, AA838409, AI961293, AI160070, AI160071, AA747429, AI143612, AA730360, AA773195, AA682367, AI298831, AA961230, AI268727, BF793895, R83902, BG236172, BG109845, AA953598, AA704547, AI146455, W38306, N79799, BE933639, AI864592, AA299329, AI140380, AI290069, AI186783, AW440342, BE164467, BE164468, AW139541, T91068, AA514600, AA195913, AA508637, T59891, AW816281, BF874763, D20437, AI288391, AA634125, AW965354, AA195432, BE255866, BE547821, BE741757, BF528086, BG258828, BE903000, AI111193, AI904111, AV728544, BF128644, AA318279, BE251694, C03377, AA310941, AW771668, AW964397, R59429, R98152, BE296575, AA370568, BE746935, BE793656, BE971409, AA411943, BF574705, BF316683, AA780433, T91217, AL523605, AA524887, BE185327, BE185262, BG169979, AA728871, AA328245, AF2822903, AL136968, U92032, AL354868, AC012072, AC002074, AC007511, AL135924, AL133332, AL078593, AC007796, AL049874, AC016831, AC013358, AC017082, AF020803, AP001614, AC079045, AL163280, AC007564, AP001251, AP001743, AC004963, AL135749, AF217490, AL450169, AC010849, AC025809, AC009362, AC002352, AL031283, AP001679, AC005998, AC018641, AP001724, AP001669, AL023694, AL356414, AF015720, AC016816, AP001683, AJ229041, AC026409, AC005005, AL031387, AL031429, AL136504, Z98747, AF017104, AC008033, AC008560, AC004068, AC004889, AL035427, AL353748, AL035089, AF248484, AL161638, AL133387, AC018642, AL163207, AC026884, AC008163, AC006967, AC008774, AP000472, AL023805, AC034235, AL163227, AP001038, Z98946, AC005601, AL133467, AL133382, AL050336, AL034351, AC016689, AC007126, AP001819, AC017002, AC004896, AC004048, AP001732, AC037193, AP001711, AC003109, AC006062, AC010498, AC005515, AC002069, AC007156, AC004184, AL022401, AC010305, AC016602, Z86062, AL161731, AL133517, AL121654, AC008042, AC010582, AL122021, AP001715, AB014088, AC004998, AL132633, AC066583, AC005229, AL136529, AC004190, AC025577, AC005738, AL118524, AC006031, AF119841, AL078623, AC004815, AB000882, AP000506, U85196, AP000279, AL136359, AP000516, AP000106, AP000038, AC004968, AF179633, AE000661, AC010723, AL161717, AC008268, Z84480, AL157765, AC004053, AP000108, AC009044, AC005880, AL121898, AF241725, AC008543, AL139189, AC008486, AL356057, AL049844, AL132657, AL133247, AL050308, AC005598, AL117187, AC006337, AC005099, AL031316, AC025030, and AL118505.
HODIL24	147	969841	1 - 834	15 - 848	AL041101, BG177845, BF216023, AA281685, N41356, BF350128, BF211006, BF668757, BF932699, and AL355305.
HE8NQ16	148	970046	1 - 2887	15 - 2901	BF966722, AV706600, BF792757, BF976723, BE882014, AW149468, BF105008, AL138321, AA425241, AV724632, BF033996, AW578056, BF966526, AV746348, BF346432, AW752968, BF338848, AW263259, AI004242, AA037179, AA872675, N29085, BF955280,

					AA699935, AA913815, AA425190, AA887078, W92464, R49087, AV745531, R15894, N42047, BF351126, AW370682, AA400368, N49443, H23382, AV711898, AA400369, AA644429, W21227, BF754252, H96938, AW401928, R86075, W92292, BF846791, N64209, BF891292, BE092775, AA193535, Z25009, A1216147, BF515367, N78483, AV735098, AA453929, AA814891, N93457, AA355548, AA295442, AA978114, AA603219, BE855678, A1825796, AL043824, AW182655, T78936, T08772, AL157620, AA724481, AW752237, AA193438, AI400285, AV701015, AI358866, AA910165, AW351740, BF684919, BE855736, AI432369, AW631129, BE259815, BF087116, AU124620, AU121144, AI978558, T78991, AA555092, N56946, AW665735, AI826826, AA971640, AV704599, AI056732, AL119173, AI038989, BE879922, W92507, AI246684, AI080258, N93740, N20183, AW902953, AA425759, AA486738, AI214476, H67025, AA907233, BF999810, BF885209, AC009155, AK022130, AK022752, AK001688, AB046832, AK024314, and AL137000.
HOFMS34	149	973010	1 - 1006	15 - 1020	BE736746, BE379381, BE378584, BE378500, BE378075, BE515303, BE780958, BE614826, BE393601, BE394088, BE735483, BE392462, BE394406, BE378901, BE394632, BE378758, BE615872, BE388690, BE378357, BE387695, BE563033, BE392780, BE392047, BE395788, BE394179, BE392832, BE389364, BE389345, BE395181, BE392472, BE515219, BE615406, AA464826, AA453149, BE735871, BE392729, BE387682, BF210381, AA442802, AJ403128, AC007078, and AC004980.
HOF0B11	150	973505	1 - 781	15 - 795	AL533548, BE789099, BG116125, BE887081, BG107890, BF700463, BE880927, BG030517, BF030581, AW957637, BE781717, AV733955, AV710046, AV718270, BF668753, BF669212, BF701113, BF129991, AV714563, BG254144, BE878731, BF701393, AV651776, AA314273, BE568697, BE545003, BF242902, BF666696, AV757896, BE904360, BF978924, BF665580, BF028073, AW351912, BF697317, BF037589, AA305370, BF213439, BF724466, BF241919, BF185721, BF692658, AA306430, BF667996, BE888408, BF964977, BF669293, BF185277, BF700414, BF211541, BF665260, AV707435, AW752399, BF244581, BF541632, BF680798, BF028474, BE960947, BF104162, BF029708, BF667913, BF695497, BF665760, H18045, AV701697, BF381984, BF699689, BF184304, BF185628, BE565642, BF244157, AW630212, AV655721, BE569124, BF131429, AA181455, AA315633, BF132852, BF031301, BF692251, BF668875, BF691021, BE779388, BF213025, AA186625, BF214411, BE568476, BE898217, BF664872, BF690925, BF031185, BF243347, BE958024, W79010, BE865509, BF674472, AA531308, AV714850, AA204997, BF665354, R80694, BF307415, BE567887, BF977109, BF106436, AV755841, BG025945, BE568064, BG029271, BG249184, BF240785, AV682318, AV681563, BE814385, BF214964, H22737, BE168154, BF575790, BF664562, BF670667, BF215015, AA085686, AA001470, BF750591, W55909, BE168394, W20245, BF030440, BF752526, BF693954, BE865807, AA297247, AV661606, AA298432, AA298665, R64278, BF104127, BE813635, BF131056, AA297858, BF184679, W93867, BF757214, AV757484, AV759869, AA298833, BF241923, H21844, H00199, R93867, N25143, AA088796.

					AA311342, BF688082, BG013959, BF185554, AV759272, AA298837, AA454212, AA431132, AV712434, AA298834, BE092617, H40729, H50262, BF666320, Z45895, AA459602, BF792635, BF248219, A1879195, A1878894, AV746675, T54811, BF700100, AA297310, BF541763, W39740, BF093955, BE304467, W25405, AA297706, A1879578, BF848994, AA297836, BF696039, W28449, BE699018, BE768788, BE768801, BF383084, T10517, BE929505, BF573510, AA447414, BF085285, BF245173, A192828, BF670186, N26355, BF093978, BE708343, AW364790, R15512, BE929384, BF248439, AF051894, AF288991, AF288992, AL121989, AF288740, AF267986, and AF267984.
HTLHN94	151	974667	1 - 1988	15 - 2002	BE393547, BE740719, BG251252, A1970830, A1478592, AV707783, AV728270, AV706183, AV706724, AV702427, AV727932, AV726505, AV701611, AV704974, AV659189, AV725927, AV706746, AV729983, AV709407, AV726067, AV725369, AV704592, AV728777, AV732002, AA744769, AV753374, AV658362, AV705020, AV702637, AV704916, AV723449, AV702798, AV751921, AV730781, AV751555, AV732149, AV730288, AV731744, AV731313, AV752043, AV731759, AV731708, N90871, AV730547, AV731977, AV757088, AV732155, AV710417, AV728872, AV730711, AV701237, AV731694, AV701320, AV707882, AV730165, AV731915, AV662191, AV726674, AV730171, AV752443, AV746276, AV751573, AV756053, AV761002, AV731043, AV760693, AV730816, AV757887, AV732353, AV757553, AV758481, AV707088, AV656240, AV756895, AV731275, AV733303, AV706910, AV702409, AV702869, AV710534, AV647654, AV726738, AV710938, AV706104, AV711496, AV755874, AV702498, AV711095, AV732653, AV752447, AV732746, AV710421, AV702787, AV758133, AV707686, AV714368, AV707171, AV758003, AV726480, AV702671, AV732089, AV705234, AV752684, AV755714, AV707589, AV703591, AV745906, AV702354, AV706035, AV711567, AV724987, AV727103, AV703417, AV652808, AV755473, AV726392, AV729129, AV702537, AV656004, AV710495, AV723452, AV707948, AV728715, AV730456, AV763669, AV711185, AV646736, AV757673, AV732255, AV702026, AV727189, AV757281, AV705263, AV702954, AV706683, AV746382, AV729357, AV727355, AV652156, AV701783, AV711240, AV726830, AV710146, AV701728, AV763440, AV709935, AV710562, AV725387, AV707690, AW575986, AV709356, AV704924, AV705504, AV725281, AV761270, AV711274, AV710825, AV703012, AV703232, AV709897, AV763171, AV745415, AV704611, AV697638, AV757864, AA453130, AV710375, AV757171, AV710935, AV702958, AV645778, AV650367, AV687176, AV707685, AV704981, AV706662, AV707117, AV706234, AV755335, A1475480, AV701538, AV706357, AV705662, AV728289, AV708809, AV705343, AV729220, AV728884, AV707798, AV757686, AV726520, A1028697, AV729568, AV703367, AV707556, AV745756, AV756386, AV710906, AV706453, AV721645, AV702984, AV706989, AV725386, AV726624, AV706814, AV758022, AV706047,

1815

HLDRT31	152	975754	1 - 697	15 - 711	AA884524, AI301704, and AI670928. AL534044, BE393397, AV683465, AV684627, AV689796, R95052, AL036390, AV660907, H56723, BF955572, T82240, R94378, H47159, AL045713, AV692841, H57229, T68625, R29170, H77694, AL046550, H67944, H67929, AW392670, BE695785, AW971745, AW804686, AL119319, AW604723, BE705903, BE705906, AW858526, AW858525, AL119439, AW861944, U46347, AL119484, BE705905, AL119396, AL119391, AL119457, U46350, U46351, AL119324, AW577135, AW384394, AW861889, AW858455, AW372827, AL119401, AW363220, Z99396, AL119399, AL119443, AL134525, U46349, AL119497, AL134527, BF868684, AL119363, AL119444, AL119355, AL119483, AW877209, AL119522, AL039912, AL037205, U46341, U46346, AW604726, BF868687, BF868697, AL119418, AL119335, AL134538, U46345, L11924, I36334, E12495, I84668, I36338, I36332, I36333, I36337, U37055, U28054, AL137798, AL021920, U28055, AB026436, AJ279014, AR066494, AX046357, AR060234, A81671, AR069079, AJ251859, AX030435, AR054110, AR043113, and AR080280.
HWLHW86	153	975771	1 - 1639	15 - 1653	AI718512, AU123914, A1748996, AI951481, AI745085, AI809713, AL525153, AU134222, AW188163, AI721217, AW007667, AW103479, AI828182, AW004850, AI686915, AI628538, AW070523, AI962963, AI697298, BG248600, AI471537, AI635101, AI889467, AI978632, AW860950, AW167961, AW474348, AW190605, BE674290, AI571882, AW129970, AI922593, AL047838, AI579919, AU126920, AW05284, BE869430, AI955311, AW242156, AW272287, AW873982, AI743468, AW513282, AW129586, AW571890, AU117740, AI624711, BE869709, BE870743, AI469222, AI625272, AI684079, AI679591, AW780155, AA424668, AI679333, AW473340, BE047040, AW475082, AI571037, AW029090, AI809712, AA130871, AA528645, AI459465, AW780425, AI540550, AV748643, AA528637, AI024785, AA406196, AU155306, AA411381, BE672486, BF028802, AW591592, AA577525, AI333612, AI687294, AI241214, AI299682, AW473388, BE177710, AW749077, AA483903, AA847578, AA424571, AI889684, AU149678, AA502398, AA580416, AA130926, AW862587, AW820899, AA835115, AI707527, AW075441, BE394676, AI216279, AI579897, AI886530, AI285185, BF038363, AI285353, AA908633, AL525154, AA724605, AI219442, AV748644, AI269213, AI038566, AW769100, BE843159, AW196292, AW361641, AW610090, AI824537, N92767, AA527850, AU144491, AI475347, BE168336, BF034328, AI078813, BE159920, AA443854, BF759422, AI074078, AA846205, AI803815, AI300799, AI689710, AA983659, AI289495, AI022819, AW473456, AA548485, AA554075, AA235136, AW193746, AI538623, W33013, AA158014, W32964, AW578996, AI123271, AA635113, AI567018, AA157929, AA526284, AA113218, W39707, AI702978, AA137210, AW971233, AI364251, AA493629, W15485, AA446644, W19420, W35400, BE720821, W37704, R1916, AA146623, BF673265, AI494071, AW132100, AW951883, AA055858, AI215543, AA158159, AI625623, AI284796, AW971035, AW372994, AA160230, AI362334, BE002725, BE843163, AA234829, AI890170,

					BF754248, AA492337, AI540630, AA975975, AI355511, AW372993, AI273060, BF761761, AI269466, AA121220, T92910, AA921713, BF754344, AI879463, AA911150, AA121180, AW188810, AA160229, AI420818, AI027882, W37705, AI261387, BE168499, AA952991, AI459610, R81812, BE697943, AI471346, BE075987, BF083538, AW580209, AI287287, AA975982, AA056345, AI868149, AI364013, BF823651, AW840200, AA843969, AI648613, BE768195, BE814795, AW189830, BF754192, AI860872, AW556276, AI264210, AA991650, BF756288, BE842954, AI870054, BE090012, BF886419, AA055808, AI540417, BE814799, AA948420, AA157928, AW168044, AW149942, AW168037, BF829547, BE937286, AW385044, AI459644, BE087104, AA143554, AI340883, AK026585, M33011, AX014895, XI4758, M26481, M32306, I06776, M93036, M93030, M93029, I06778, M93034, I06777, M93033, AX046357, AR060234, A81671, AR066494, AJ279014, M93031, M93032, AJ251859, AX030435, AR023813, AR064707, AB026436, AR069079, AR054110, M93035, T93002, W31719, W31924, AA056712, AA136491, AA158227, T10928, D25749, AI611741, AI648637, AI687877, AI886222, AI915472, AI926113, AW025152, AW050533, AW051181, and AW189650.
HOFNM53	154	976051	1 - 1576	15 - 1590	
HDPSE86	155	976207	1 - 1781	15 - 1795	BF974829, BE397549, BE397511, BE562264, BF976322, BE561928, BE396546, AW245133, AW001450, AV708281, AW248252, AW247758, AI918591, AI299148, AI741759, AV705891, BF327331, BE718012, BF764942, BF353438, AI583563, AI961410, AI679359, AW081424, AA865519, BG260187, AA807017, AF086713, AF086714, AI137462, AF262962, U31501, AK026830, and X52562.
HHFOE18	156	976216	1 - 1574	15 - 1588	AW964029, AA447232, BE155292, BE706821, W00562, AI752017, AA478880, BE072829, BE072835, H83253, AA377805, H53182, AW175670, AA295304, AA300104, C14702, AA431941, AI378520, AW444970, BF350693, AI127045, AI633683, AI345957, BF002061, AI033307, AI394583, BF349443, AI738683, AI677991, BE072831, AW207729, AI627661, AI274923, AW317022, AI983858, AA478623, AI751620, AI913309, and AI355492.
HHFNH27	157	976968	1 - 945	15 - 959	AL527962, AL517471, AL535489, AL538229, AA608734, AI760012, AW117939, AI038063, BE275287, BF966024, BF182712, BF794346, AV711147, AI992187, AI089408, BE271201, BE515144, BE785567, BG110602, BG028741, AW007641, BE735414, BE622727, AL538228, BE784154, BG108156, BG026353, AI444578, BE735452, BE277188, AW081275, BE562586, AL517470, BG034283, BG177569, BE270977, BF129032, BE730250, BE515135, BE745656, AI911660, AI762510, BE562179, AA573212, AW058227, BG252386, AW026216, BE781752, AV755448, BE780584, BF305350, BG036120, AI479604, BF976260, BE893200, AU126121, BE794959, AA482981, BG026476, BE277036, BE905103, AW167227, BG166075, AL525753, BE513556, BF237575, BE885910, BG028762, BE886434, BE734123, BF309611, BE736636, BE789073, BE878062, BF794656, BE275217, BG249366, AA595496, AA843894, BE612825, BE893060, BF686280, BE887584, BF237505, BF675994, BG113631, BE297840, BF307019,

					AU122814, BF342127, BE868928, BE963028, BF306753, AV755305, BF084929, AW873019, BE787083, AA102495, BF129033, BF965678, BF679311, BE736078, AA484847, BE252599, BE268328, AW021139, BG113023, AV757532, AI434970, BE395099, BE300956, BE268437, AW248649, AA148134, BE263792, AA564246, BG106885, BE378286, BE409300, BE539510, AW364114, BG169025, BF128966, BE397499, BE300638, BE906272, AW167837, AI523273, AI633224, AW188513, AL535488, AL525699, AI204666, AW512941, BE743078, AI027124, BF308821, BE613387, BE788345, BG256684, BE514424, AV681767, BE884744, BE565632, BE276742, BF974229, AA486523, BF185882, AI166855, AL527961, BE271243, AI671081, BF116147, AW516517, AV698198, BE295099, AI572593, BF216863, BE743737, AA486521, AA847553, BE264509, BE778919, N39028, AV698205, BE296288, AI149325, BF684704, AW304719, AA908430, AW630040, AW873419, BE395711, BE786296, AI702096, AV758156, BF030227, AI907636, BE727628, BG107645, BE439984, BE272016, AI735493, AI052028, AA976287, AI220686, BF891229, AU128718, BE389832, AI640723, BF210853, BG230809, AA485916, AI926630, AW515972, AA485917, BF971948, AI890625, AV727847, BF307745, AW302543, BF973342, BE966702, BF185214, BE866342, AA165420, AA860308, AI093142, AI685983, BE735516, AI432974, AW149055, AA954903, BE208455, AA948412, AA528110, AW103530, BF679571, AI925307, BF185263, AI200011, AA804159, BF205661, AA865402, BE393349, AA988428, AI784413, AA420759, AA609843, AW305063, AA664241, AW249084, BF304780, BE537856, AV697099, BF305432, AW411421, BF669093, BF027024, AI828699, AV717083, BG167697, AA581306, BG231290, BE786085, BF194802, AA971093, AA836793, AI092573, BF674869, AF054187, X80909, AI278883, AC002994, U22151, AP001208, U48364, U48363, AL138717, AL355707, AC006160, AX014112, AX015401, T53676, T55906, T90594, T93775, R07734, R40067, R75978, H70091, H82195, N48219, N99411, W07071, W17213, W24422, AA025972, AA101054, AA151491, AA165123, AA173462, AA226280, AA420620, AA581277, AA657477, AA664557, AA742717, AI001127, AI002459, AA095490, AA648154, AA626408, AA670063, AA758894, AA853887, AI123098, Z28479, Z28824, D25876, D30821, AA701908, AI434582, AI185181, AI694837, AI744149, and AI813365.
HMMBZ81	158	977264	1 - 538	15 - 552	H59173, AL133861, AW131034, C06458, AL042282, AW467497, F34939, BF945995, BF760573, AA526099, AL120191, AI610634, BE149287, AW609312, BG106119, AA744449, AA744465, AA745470, BF853581, AA728911, AU145868, AL022336, AL133173, D84394, AP000509, AC007225, AC021036, AL133230, AC006111, U96629, AL034379, AC006050, AC003029, AL034422, AL109865, AC007619, AC010077, AP000692, AC004896, AC007227, AC011491, AP000967, AF200465, AL121905, AC004150, U78027, AC018755, AC005921, AL035422, AC005003, AP001725, AL022316, AL135927, AL391114, AC006312, AC009244, AC024075, AL138815, AF196969, AC005211, AC004596, AL035249, AC053467, AL136000, AF001552, AI050307, AC004678, AI031588, AI031284, AP001670, AC004962, AC010463,

HSLGF32	159	977704	1 - 1585	15 - 1599	AC006329, AC004912, Z98051, AC005229, AP001759, AC018514, AF139813, AL034402, Z85986, AC002418, AC016644, AL035608, AL031291, AC007041, AC020916, AC010512, AL138976, AL031721, AL133211, AC004826, AC024561, AC018639, AC004867, AC002044, AC011529, AC018644, AL353804, AC007954, AL049760, AC002554, Y12854, AL049697, AC004386, AL022345, AL136365, AL096791, AC003104, AL022302, AC0068499, AL031427, AC005839, AB038490, AL139382, AL139333, AC009225, AC004166, AL359502, AC006330, AC010328, Z97989, AC004531, AC004878, AC008496, AR036572, AL158070, AL034423, AC002476, Z99716, AL079335, AC002369, AC007229, AC005702, AL008719, AC006077, AC018511, AL136295, AL031723, AL121983, AC011494, AP000116, AC005098, AB035192, AC007537, AL356244, AC005412, AC005004, AC004000, AL136137, AL138706, AL049780, AC005840, AC019176, AC005821, AC000003, AC005363, U91328, AC027319, AC004983, AC005902, AC006452, AC003982, AP001435, AC005899, AC004057, AC005365, AC004965, AC019226, AC007000, L78810, AC005995, AP000008, AC003042, AC005516, AC000159, AL133245, AC004382, AP000704, AC012627, AC004232, AC005940, AC005071, AC083862, AC003108, AL080317, AL117694, AC003109, AC002045, AL021707, AL132653, AC005829, AC005522, AC010305, AL133215, AC007566, AL050335, AC005895, AL132639, AC016395, AL121907, AL031597, AC021019, AL157372, AP001753, AL031778, AL391384, AF003626, AC005803, AC078889, AL049872, AC006101, AL117341, AC005180, AC009509, AL445248, AL139286, AL139342, AC005488, AP001713, AP001727, AC008623, and AL354816.
HEEAH23	160	978593	1 - 427	15 - 441	BE784734, BF528372, AW664953, AW294691, BF670655, AA411625, AA464785, AA971619, AA909175, AA406575, AA256188, AA486336, AI868650, AW276335, AW271701, AI908352, AA488056, R93249, AI864543, T84938, AI282858, H95668, AA256150, R16409, R12671, BF588476, AI797610, T91956, BE622938, AL042508, BF755924, AL035669, and AL133063.
HODFU73	161	978812	1 - 771	15 - 785	AL529051, BG168572, AV687207, AW247426, BE249849, AK022736, AB014549, AC008132, AC023491, AC007981, AC023490, AC007957, AC011718, AC009288, AP000552, and AC008079.
HNBUA49	162	978998	1 - 1620	15 - 1634	AI337853, AL290624, BE613007, AW190836, AA036954, AW392096, AW452245, BF039005, BF699641, N95243, T25091, AA036998, AI648608, R47204, AC007392, U85707, U33630, and U33629.
					AI871477, AL520825, AL525683, BF686227, AL040660, AI049979, BE746500, BG260309, AI051966, AL043088, BF792585, AL041341, BE249840, AI760387, BE273020, BF690244, AA772213, AW440407, AI860755, BF663608, AU118417, BG169576, BE873422, BE378917, AI192298, AI818417, BE293451, AI676150, AI828421, AI827007, AW071445, BE315277, BE293812, AI701967, AI690912, AW151086, AW167306, BE293738, BE250330, BE250827, BF526581, BF972183, AW795577, AW474833, BF527867, BE221350, AA837413, BE858496, AW071494, AW276436, BE260699, AW577804, BE304919, BE222850, AW673333,

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HVVDU73	163	979346	1 - 2290	15 - 2304	<p>BE616124, BE736934, BF688519, BG260795, BG259849, AW374307, BE616155, BE744973, BE292792, AW994447, BG248534, AW374312, AW374318, BE531047, AI940618, AW601821, BE672984, AI817651, AW170508, AA253308, BE868161, BG009649, BF435220, AW365668, AI940653, AW365613, AW081928, AI674909, AW572265, AI961488, AA573938, AI923587, AA159477, AI940633, AI620321, AW089967, AA636061, AI866782, AI888802, AI457146, AI932621, AI379539, AI186201, AW374300, AI262916, BF739152, AA934750, AI940625, AV656354, AI354896, W60466, AI318103, AI394281, AA588706, AW970628, BF736328, BF883594, BF689168, AW079392, AW369391, AW853512, AW188567, AW188566, BF835784, AA252902, BF736819, AW376365, AI472809, BF836557, AW751488,</p>

HHESX72	164	979468	1 - 467	15 - 481	AI368181, BE042388, AI625947, AA160436, AA52111, AA502830, T97710, BF812178, BE083633, BF737129, BF737107, T97813, BG222333, BG222571, BF914747, BF916953, BE871206, AW117966, AA715308, BE838489, AW392656, BF764625, AW291547, BE714141, BF754423, AW362652, BE714142, AW087246, AI682601, AW389752, AW375948, BF737124, AI700409, BE827597, AW074322, BE899333, AI824247, AW375934, AW366796, BF772249, BF882777, AW178433, BF843569, BF834553, AA300230, BE564406, AW794420, AW375987, AW375988, U42408, U58994, U58011, and AC006504.
					BF797761, AU130033, BG258778, AU119794, AW965889, BG028456, BF970462, AV728480, AL522193, AA315962, BE786036, AW960384, AV715388, AU131704, BE695281, AU132895, BF219071, AL536015, BF184112, AU129283, BE729622, BF696698, BG167039, BF034416, BE695309, BE265086, AA319546, H97758, BE544565, W90369, BF332962, AW408349, AI078747, N59486, AA359114, R09724, AW242801, AI765280, AI990488, BE244651, H22047, AA085546, AA091085, AL521415, AI858033, BF111619, BF061858, AA776634, AA359816, N56221, AW602190, AI040358, AI248524, BF792722, T18889, T70782, AW057675, T18872, BF906431, AI633892, AW205883, AW872943, AK023053, AK021905, AC005189, AK023007, AK001665, and AL049758.
HOCY88	165	979547	1 - 1395	15 - 1409	AW004023, BF690205, BF791885, BG029479, BF000545, BE047000, AW977945, AA909986, AU151274, BF512375, AU147671, BE350857, AW467591, AA142943, AA811324, AA150646, AW468491, BE672409, AI301026, BF689816, AW845190, BE392310, AW514680, AI984280, BE140523, BF229544, U53081, D20997, AC006544, AC003065, AC005033, AF035299, U70987, AF180527, and AF229166.
					AA868550, AL530411, BG254611, AW954131, AI201166, AW193909, BG151533, AW084462, BF791908, BE260095, AI922273, AA523858, BG260949, AA781100, AW105220, AA596049, AW005327, AI214604, BF984366, AI802642, AL524639, AW090564, AI567735, AA897529, AA193192, AA629069, AU147852, BF979856, AA858423, AA425360, BG149247, AA908794, AA778624, AI686401, AA393835, N72685, AA868129, AA923361, AU148101, AW183908, BE206598, AA075361, AA580324, BF743368, AI357135, AA926834, BE670517, AI803714, BF197076, AI284934, BG116362, AW983892, AI284936, AU154733, AI130025, AA758676, AA907260, AA311449, AI077310, AI298616, AA706885, AA969247, AI457308, BE045930, BF743297, AI418560, BE219395, AL043460, AA861359, AI720212, AI342423, AA468338, AI936296, AA075362, AA454947, AI458647, R37961, AW246825, AA136701, AW607431, BF743315, AA548507, AA973365, AA053135, AI659588, AI925822, AA425566, BE439633, N68585, AA834427, AI635130, AA167347, BG164125, AA431980, AI264546, AA431965, AA176535, AA748183, AW750653, AA989525, BF223350, F31676, BE253169, AA468339, AW950325, N46268, AA769323, AI985073, AA994254, AW470425, R53597, AI621110, Z24883, AI285063, W81103, AW090765, BF957740, AW628661, AW592166, BF767591, AI703044, AA385660, AI860560, AI202413, F30676, F32050, AA564380,
HOGDC64	166	979666	1 - 1794	15 - 1808	

					BF746952, AI825239, AI968137, W79734, BE873411, AA287653, AA115881, R85239, AI744073, AA167348, T86533, Z38604, AW770643, R51927, AI202295, AA179037, AW270665, AI264373, BF798526, AA053156, H42012, AW444498, AW352219, BF333672, AA085898, AA470660, AI758554, T31099, AA558872, R38012, AA136762, AA287687, AA115880, T86441, AI468196, H42011, AA534699, AW804206, BE070180, N46267, N90395, AW844155, AA090750, AI675960, BF247759, BE349924, AW387224, AW388763, AA916893, BF743292, AA085897, W02464, AW389016, AW388799, AA736580, AW388788, T78373, BE709036, BE782320, AI952913, BF374837, BF374374, AI133347, D19952, AC003950, X97335, AX017488, AR023768, U95146, U95145, AF068202, and AF113698.
HSIEA14	167	980139	1 - 774	15 - 788	AW301736, AL042667, AL042670, AV695478, AW328202, AW238341, AI538491, AA569494, AA572983, W42588, AI278972, AL120141, AI821382, BE042006, AI307201, AA501461, AA837597, AA514450, AV761433, AI753969, AA613761, H68343, BE139139, AI250552, AV648653, AI284543, AW020612, AI689198, AV656063, AW613448, AI005613, BF917473, AI254770, AI744830, AI820534, BG030789, AI251284, AI251034, AI251203, AI223626, AI249853, AA526099, AW023515, BE138387, AA602105, AI798407, AI439393, AI690497, BE169870, AI692245, AI133519, Z83819, AC002350, AC021036, AL031733, AP001706, AC005844, AF017104, AI157372, AI117341, AP000073, Z84487, AC007282, AC011742, AL022336, AC019106, AC008011, AF049895, AI109797, AP001710, AI160231, AP001759, AI137073, AI391114, AI049713, AI133454, AP001683, AC058791, AP000104, AC007880, Z93341, AC011904, AP001714, AC008738, AC016689, AC008543, AC009225, AL024507, AB000882, AC006449, U96629, AP000344, AC007225, Z98946, AI050333, AI049838, AI121782, AC004491, AI009181, AL035249, AC005064, AI121825, AF205588, AC024082, AC009060, AC005663, AI121949, AC007546, AF107885, AP002530, AC011500, AI137060, AC005969, AC005216, AL031848, AC005291, AI133453, AI133802, AL078591, Z98742, AC002418, AC004386, AP001728, AC013429, AC018513, Z83843, AC002303, AI139826, AC005703, AC008008, AC003042, AL033381, AC005332, AC007938, AI121872, AC006121, AI138755, AC073574, AC011311, AI139109, AE000658, AP001725, AI138828, AC009236, AF196971, AC002429, AC009016, AC012156, AI157791, AC004847, AI109743, AC006160, AP001712, AC007486, AI157413, AC005352, AI109923, AP000692, AC005386, AC004977, AI034550, Z96050, AL360227, AC000004, AJ229041, AI121878, AC008267, AC025442, AI117333, AI136979, AI050317, AC008750, AI359704, AI031681, AF027390, AC004743, AI008732, AC009501, AC007690, AC005562, AC078889, AI355886, AC009238, AC005214, AF280107, AI121852, AC009470, AC007773, AP000352, AI031685, AI136365, AC005821, AP001720, AC020898, AI356379, AI049776, AI441887, AC010219, AC003992, AI138752, AC012351, AC012309, AI080317, AC002381, AI035458, AI031289, AC003662, AC036103, AC007312, AI445687, AC006120, AC024600, AF241726, AC005358, U80017, AC004859, AI133153, AC027689, AC005069, AC007376, AC009953, AC018684,

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HSPSY43	168	980269	1 - 2040	15 - 2054	BF570385, BF570180, AI088647, BF966694, BF569195, BF970112, BE878705, AL535894, BF569896, BF340266, AI810738, BF530956, AV725665, BF342973, AI692873, BE271105, BE857228, AI927745, AW615420, AW151706, AA604247, AI635900, AW939256, AW957194, BG230571, AW379494, BE677698, BG056692, BF512850, AW021444, BF690190, AW664391, AW139560, BG110726, AW874658, AW993371, AI814903, BF934595, AA181281, BF381326, AI376165, BE812324, BE812388, AW815353, AW391289, W28891, AV728400, AV728587, BE349042, AV728581, BF325900, AW337194, AW024107, BE396023, AA633395, BE162632, BF527023, AA588810, AA280897, AA225306, AW391295, AI079706, AW815349, AW615553, AV709840, AI355025, AW815345, AI933698, AA804867, H40915, BF886757, T28873, AA838292, N81045, AI880159, AA114109, H28176, BF961849, AA324213, R59225, AA683224, AW469170, BG057112, H01864, AW880763, AA937395, AI358224, W28580, AW246848, AA324217, H11123, R94484, BF874169, AA085617, BF928701, BF874235, AA085638, N36164, BF874174, AA324212, AW498678, AW067997, AA062605, R94485, BG025843, AI134213, H49769, H27022, BF805105, BF957582, AL535893, T16201, BF934521, AA350507, H20777, BF932804, AA280980, AW798119, H11229, AV737823, BE206328, AW248633, AA363975, W27715, H22592, BE833306, AA324216, BF447502, T15660, BE833364, H28112, H01863, R86196, AA487774, AA114108, AW385117, D51308, AA350426, H17100, T60117, D56054, R48122, D53610, AA304177, H93755, BG152466, AA826966, H61236, H85695, H40957, R44085, D51453, D53774, W07855, R78317, BF868560, BE714884, D54618, T52550, BF923220, R33264, BE208564, R36346, AA531190, R23239, T16142, F03239, R77946, AI699038, AA308600, R38937, R69514, BE812147, BE315213, AW058016, R33115, AA531179, R48009, AI867014, T03351, BE833265, AA307648, BG015610, AI906574, BE561639, AA350885, BE271301, BF445731, AA327459, AI906575, AA335642, BF803379, R28604, R48570, H30153, AW945153, AA350733, R28687, D51827, R50396, BE707678, R48669, H61237, BF844403, BG055063, R35977, BG252221, BF926656, T60235, BE833079, H93754, AW883909, BF755805, BF445655, D52027, R69383, AW298249, BF844409, AA317457, D51335, BF844405, R46848, H30776, AA747462, AI583318, AW800460, F10359, AA345500, W23224, R44794, BF844410, R42513, AA809531, R47759, BE019728, F07289, AW950062, BE771559, N44157, AA373489, BF093102, AW885353, N69784, AW885226, BG007722, AI358239, BF771401, R23314, R28550, BF933179, AL110273, J05243, U83867, X90845, J04828, X86901, AF084186,

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HSXBH24	169	981029	1 - 2428	15 - 2442	<p> AI052508, BE048691, M79221, AW338514, AI262660, AA953663, AV726620, BF752825, AA813125, and AI373503. </p>
HOFAB61	170	981108	1 - 1219	15 - 1233	<p> BG033389, AI393309, AW005351, AI807923, AW960185, AW166132, AW664889, AA194090, AI916382, AI799077, AW328387, AW340414, AW960398, AI131240, AI188081, AW300307, BF131508, AA855025, AA287690, AI694793, AI138878, AI362805, AI198516, AI131388, AA287658, AW139698, BE551852, AA934428, AI701814, BF056959, AI824988, AI680753, AW328388, AA308513, AI654495, AA304908, AI955554, AV741520, BF111228, </p>

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HCFOF82	171	981272	1 - 1549	15 - 1563		BG026326, AW966939, AW967551, BE737753, AI435412, AA250982, AA811466, AI376343, AI081045, AI742225, AA131095, AA131031, AI942351, AI341938, AA489627, AA993407, AA489728, AW473525, AW268683, R91619, N98926, AI085828, BF082425, AI168315, T78254, AA250983, AA320897, AA454806, BF935477, AW380400, AA864917, W31152, AW514550, BE003760, and AL133558.
HOCMT79	172	981309	1 - 1580	15 - 1594		BE798445, BE304432, BE731636, BE897199, BG255861, BF979006, BE812965, BE728469, BF128024, BE263640, BE727056, BF358932, BE206746, BF942861, BE540525, BF311992, AW362926, R67305, T33893, AW945345, Z46204, AA324589, AW965329, AW965323, AA324404, T80030, H50913, AA281511, AA333367, BF381111, BE816128, T08567, BF991518, R18797, AA332977, AA687499, BF946438, BF822854, AA223464, BE796302, BF917604, AW392506, AW601333, AW372325, AW601316, AW601334, AW372336, AW392504, AW392498, AW372308, AW372323, AW601317, BF725792, AR087892, U32575, and AF055006.
HKAEI03	173	981319	1 - 452	15 - 466		BF342305, BF972034, AV702899, BG250659, BE875013, BG255188, AW732994, BF969129, BF973001, BF130310, BE779851, BE268549, BE783925, BE272577, BG024907, BF127762, BE784922, AI751567, AI138643, BG027985, AI564787, AI131276, AA010288, BE464595, BE858428, AI810680, BE256739, BF431981, AI312112, AI659460, BF964885, BF038601, AW614586, AI918066, AI421103, AA159852, BG036944, AA143643, AW131612, AA577070, BE170902, AW418672, F29120, AI885777, AI540181, AI889585, F36716, AB037839, and AF006043.
HOCPO31	174	981593	1 - 1686	15 - 1700		BF344523, BG120897, AI928341, AW026244, AL119974, AW003141, AI953528, AW004077, AI803375, AW001409, AA716616, AA425741, AA677488, AW594550, AI193181, BE349215, AW795298, AI262269, AW297973, AW592480, AI042286, AI436208, AI126751, AI149281, AI1167937, AI187153, BG006418, AA885372, N53016, AI962663, AI143577, AW242268, AI049776, BE677119, AI818483, AI272839, AA595397, AI032066, N78497, AI742227, AU134204, AA938952, BE041590, N73656, H00225, AI187185, AI986359, AW152033, AI032073, AI302095, R77880, AW128839, AW594571, R94775, AA806624, H24559, R64451, T09483, R94950, AW957178, AI252768, H17531, AW193712, AA057787, BF061972, AW296092, AI435183, H00177, AW340042, AA535123, AW079257, AA834425, AA595382, AW662791, AI949751, AI968910, AI806704, AI954639, R34244, H21209, AA047604, R94693, F10899, R35571, H22912, AA425233, AA931668, R63839, R39530, T77481, BF357906, AW401504, R55754, BG058398, AI802542, AI440239, BG110684, BG179993, AI869367, BF527014, BE048026, BF725868, AL036631, AV715331, AW071417, AI500077, AI269696, AV650703, AV682479, AI758437, AW087445, AV715263, BF868489, AW071349,

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HAOTG88 HVCAH21	175	981606	1 - 807	15 - 821	AK026744, AF017152, AF242189, AF116649, AL353940, AK000618, AF130110, AK026608, AK026592, AF314091, AF091084, AK026504, AF177336, AK026784, AK026927, AL122110, X63574, X82434, AK027096, AF116682, AL117435, AF017437, AK026959, AF111851, AB048954, AK026532, AK026647, AF125948, AK000652, AL049464, AX026824, AX026823, AS8524, AS8523, AL133093, AK026583, AL117583, AL137550, AF079765, AJ238278, AK025772, AL359615, AL137283, AL050138, AK024524, X72889, AF175983, AK026353, AK000323, U91329, E07361, X70685, E02349, U00763, AB034701, AF119871, AK000432, AF097996, AF260566, AK025967, AL049382, AK027204, AL122098, AL049300, A77033, A77035, AL049430, A08909, Z82022, A12297, AK026086, U35846, AK025391, AK025414, AK027164, AK000647, AF118094, AF183393, X65873, AK026528, AB052200, AK026947, AF130077, AF116610, I33392, AF116654, AK026480, AF260436, and AK025484.
	176	981768	1 - 746	15 - 760	BF316070, BF568141, AV758470, BF527619, BE314804, BF969586, BE409471, BE410535, AV733489, BE261170, AW157185, AI928869, BF304497, AW024568, BF971396, BF310503, BE296966, BF980412, BE408549, BE884399, BE386397, AI907018, AW440484, AA883920, BE793077, BE794471, BF206989, BE877585, AA496679, AI378856, BF311371, AI859291, BE350719, BE895663, BE885969, BE315547, BF241672, AI817825, BE793139, BF210205, BF216772, BE733918, BE897650, BE312906, BE905785, BE879978, AW516581, BE382725, BF038020, BF026271, AI624337, AW732541, AW674196, BE262376, BF237436, AV710278, AV740622, BE899283, BF206520, BE276874, BF206851, BF237515, BF243039, BE313650, AI024995, AI174779, AI572642, AW163157, AW651789, AW732534, BF125793, AI025126, AI474128, AW474610, BE547663, BE831015, AA187250, AA877228, AI267915, AA886988, AV733930, AA182921, AA642996, AA306692, BF126019, AV741980, AA075599, BE263229, AA181154, BE831027, AV756250, BE205781, AL526932, BG118384, AA075346, AI929036, BF734890, AI400538, AA316049, AA181153, AA326075, AA315701, BE709954, AA098806, AV727129, AA130645, BE218789, AI421479, AA482798, AI144352, AW022366, BE871748, AA451691, F36272, AA722490, AI015274, AI860627, BF767068, AI476031, AA196855, AI076945, AA601896, AA603149, AA037796, BE792238, BF674456, AI266715, BE932205, N53005, AA307818, AV727405, AA125759, BE710240, AI194072, AV764534, AA210871, AA130034, T74180, AI985806, BE709957, AV735365, AA070953, AA714540, AA453235, AV744480, BF030579, AA130033, BF239974, AA443652, AA385659, AW583010, AW675307, BF966331, N52289, BE045155, AA130615, AW277116, BE645844, AA912073, BF184415, AA856876, AA478103, AW276117, AL527098, F25881, BG117430, AA065190, BG028557, H49982, BE005862, AA187382, AW270600, F24478, BE792009, AA076185, BF091615, AW371216, AA725739, AA878729, N30376, AA365073, AA602423, BF091064, F24829, AA484666, BE870423, AA885827, AA745043, BF091625, AA156093, BE044822, BF375830, AA398035, F27966, F34663, AA861214, AA085547, AA371299, AA992886,

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HFPCK56	177	981812	1 - 1934	15 - 1948	BE739833, AV751551, BE539375, BE879961, BE619356, AA012925, AI690904, AA418407, AW028084, BF061035, AI949671, BE219361, AA449061, AI955218, AA772167, AW771435, AI305287, BG056669, BG122658, AI039957, AI796800, AI421026, AW952787, AI689738, BE857334, BE797251, AW373177, AA037175, AI680796, BF001323, AI360089, BE440106, BF438532, AI568970, BF223290, AW299760, AI948837, AA418504, AA410416, AA976077, AI925315, N56916, AI744545, AI186166, BF344446, BE545371, AI801467, AI560863, AI307790, AI620925, AI685502, AA931566, AW589991, AW373172, AI094972, H22670, N44951, AW026324, AA772572, AI049895, AA449773, BE876258, N39575, W27237, BE878083, N33168, AA469378, AW028003, AA402063, AI276817, AW803238, AA351859, AA861181, AA938412, AW079992, AI311559, BF907727, H96974, AI888644, AA151221, AA351860, AW139343, AW130580, W32509, AA937530, H22687, AI813495, AA410273, AA993422, AA687549, BF941191, AI143750, W27206, AW373182, AA340324, AA044269, AI860157, AA151220, AI370443, R48542, R53630, H14486, AI271975, AI140110, AW593928, R12193, AW275061, W93548, AA321771, AI611136, W32606, T66931, BF941785, AA758353, AI581671, R48627, AA398924, AA349145, AW138501, BF527602, R96451, AW515323, AI674456, N59828, AI918973, R96452, AA991280, AI985395, AI687472, AI268792, AA338948, BF747204, AI280425, AI370507, AA991278, H27505, AA142905, R12929, AA410417, AI284737, T83253, W27541, AA364215, BE719110, AI880036, R62328, R51963, H27578, T66932, AI961564, D54538, AA847693, AA338947, BE538557, T49336, AI360057, BE939130, AI351186, BF818515, H04226, AA044169, H02921, AA026556, AA069380, AW138557, R62327, AW118418, AI198091, W96350, AI424187, R39917, AI868856, T10481, BE964453, BF507638, AA847337, BF735896, N72776, T90723, AI873143, AI682149, AI419753, AI472343, AI394598, AA436364, AA652885, T49337, BE002485, N46721, BE620017, BE622776, AI335238, AI810464, AI927142, AA069327, BE787445, AI078649, BF987031, T11055, AI564318, AX015375, AL162074, AB042237, and AF099664.
HAOSJ58	178	981859	1 - 1131	15 - 1145	AL515972, AW029556, AA004208, BE883613, AW015902, BF802700, BF666138, AI917287,

					<p> AU149521, AA007410, BF791634, AA251650, AV716889, AU153411, AU151309, BF795834, AW474709, AW967661, A1247962, W58247, A1241375, AW594337, AA251538, A1492247, AI598036, N72095, W58248, AA603659, BF804913, A1431332, AA424023, AV744248, A1656462, AA664303, AW590631, AW592235, N23125, BG115061, AW105622, BF056545, A1913221, BG180121, AA886810, AA679595, A1373555, AU149339, A1380841, AW129016, Z39592, W02366, AA189143, AA777004, F02874, BE926666, AW731774, AA768164, BG122759, BE501179, N73304, BE926735, A1521225, BF737731, AA394252, AA424100, A1963833, A1282264, BG259121, A1476066, AK000638, AK024266, AF071592, AF277375, AF241316, AF179308, A1271784, AK022717, and AL133073. </p>
HOPIT48	179	981862	1 - 336	15 - 350	<p> F20667, AL514627, AL036146, AL513553, AL513597, AL513907, AL514919, AL513999, AL513631, AL514015, AL513911, AL514791, AV755668, AL514691, AL513977, BE965014, A1475817, AL513951, AL515191, A1469532, AL514087, AL513693, AL514867, AW085799, A1349772, AW074869, BE887488, BG109270, AL513713, BF793187, AL514063, A1500077, AL119748, AL514473, A1696846, AL514983, A1567632, BG112879, AL043326, A1702406, BE047952, BF793324, A1888953, BG110241, BG036846, AL515413, AW071349, AW071417, BF970446, A1537303, AV681618, A1349645, AL040243, BF817926, A1432969, A1800453, A1800433, BF882343, BG058398, BG179993, A169653, AV682222, AV681630, A1521012, AV682252, BE969709, BG257535, A169671, AW827249, BF883916, A1340582, AW301409, BG110684, BG260037, BG180996, AL045500, BE965891, AL513577, AL047763, BF816811, AW274192, A1620284, A1758437, BF812933, BG058208, BE048071, A1637584, A1349004, A1536685, A1568870, A1499463, A1249257, A1250293, BF970162, BF724691, AV756150, AL121365, A1702433, A1433157, A1224992, BE018334, A1580190, A1590128, A1868831, AW103371, BF792469, AW104724, A1682841, AW087445, BE781369, A1633419, A1538716, BE966388, A1498579, BF039003, A1866002, A1802542, A1433976, AV756328, AV729890, BF795712, AV709517, A1445025, A1564719, BF971016, A1349933, BG031815, AW238730, BE964812, BE964741, A1348897, BG168696, AV717299, A1697137, BG178488, A1497733, AW999049, AL036802, AW026882, AL044207, BG110517, BE964700, A1866608, AW162071, A1281773, BF812961, BF527014, A1539771, AL036396, AL036403, BE048081, AL135661, A1281779, A1570384, A1857296, AV757737, A1678302, BG151247, AW813006, A1269696, BF817392, BF343172, AV711924, AW148320, BF340031, A1275175, A1281762, AV756703, AL047041, AL041772, BE963035, A1064830, AW074993, A1567351, AL038605, A1349614, BG164371, BF726322, BG032208, AW089572, BG260881, AL038778, AW268253, A1282281, A1312152, AW075351, AV758209, A1345735, A1610645, BE047852, AL514097, AA640779, BE876033, A1349937, BE172767, AA613907, A1619502, A1500659, BE964876, AV682266, BG252929, AV681759, AW068845, BE909398, AL513943, AA508692, BE047863, BE904178, BF885675, A1620868, AV655645, BE877769, AL515019, A1636445, A1340519, BG178809, BG035511, AW148716, AV756342, AL514793, A1273142, BE965556, A1818683, </p>

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HCFV61	180	981914	1 - 1221	15 - 1235	<p> BG033901, BG252785, BE543055, AV722449, AV702154, AA628439, BF668342, BF692352, AI768330, BE894056, AI743632, AV694035, BF437204, BE856844, AW304160, AI337885, AI924514, AA837493, AA426551, AI745073, AI963737, AW821215, BG058671, BF509387, AI242029, BE503709, AI942469, AA160524, AI160326, AV725848, AI912616, AA890454, W95882, AA824442, AW518009, AI701598, AI273641, N93250, AA287410, AA418905, AW449609, AA160567, AA703542, BE671219, BG105483, AA779451, AA11935, BE669882, N32408, AI332415, W17057, W25108, AA810170, AI382034, AI499772, AI589724, AI720736, N56828, AI123003, W95918, AW022386, AA083712, AI808404, AA777136, AI806090, AW965046, BG105254, N89643, AI467879, AI247254, AI784644, AA725064, AA343169, AA569724, AA694506, AI698201, BE542567, AI244592, BF218794, AA287358, D80112, AW973029, AI206216, AW965048, AW889223, BE843684, BE843522, </p>

HPDWN44	181	981956	1 - 934	15 - 948	and AK000541. BE742303, BE741533, BE746369, AI633237, BE563341, BE563526, BE612816, BF035914, BE880068, BE563212, BF665918, BE880096, BF970136, BE880701, AL529261, BF037170, BE315481, BF316680, AI017752, BE896668, AA431844, AA628903, BE880590, AV710748, AI525834, AV716869, AV733974, BE567737, BF674943, AV713981, AI979057, BF698464, AL529260, AW514732, BF033091, BF674985, AV711087, AV716715, BF540803, BF675525, AV713390, AI935983, BF679768, AA075421, BE613381, AA156298, BF673731, AW088688, BE389957, AV735167, BE389745, AA187073, AW474971, AV740643, BF691116, AI133571, BF195619, AI684301, BF677505, AL525452, BE042822, BE709657, AW936512, AW474519, AA992934, AW189041, BE042854, AI984117, BE276272, BE393478, AW474473, BE388363, AW131622, AV734097, AW196629, AI913944, AA427596, AA187024, N30130, BF217503, D82271, AI191868, BG235916, N39749, AI923021, BG112356, AV713265, AA075422, BG259987, AW404378, BE813241, BE813177, AW149049, AW369486, AV726476, AW369495, AA442647, AA669065, AI367852, AI633284, AU132643, AA081139, AI554354, AW951432, AI560878, N25849, AI416993, BE176663, AW074176, AA446705, AA496549, AW512858, BF094963, AW991489, AW991644, BE813140, AA315748, AA878888, N23559, W19707, AA729416, AA621292, BE567961, N36654, AA069715, BE568443, AA493626, AA069692, AW938005, AI187152, BF732743, BE176346, AI185034, AW166402, AA593797, AW385485, AA186648, AW021630, AA437347, AI221791, AA630449, AW937966, AA081278, BE122891, AA436888, BG167398, AA156984, AI312688, BE875189, AA316034, AA316517, AA479768, AA181039, AV733234, W52260, BE176396, BG012035, AV750759, AW264168, N24368, AA631420, AI923459, AW363902, AV703750, AI198050, R98410, BE179786, N59644, AW069390, AL047606, N44880, AI686995, AI090375, AL525651, AW796539, AV654997, AA187522, AA229717, AA429684, H16005, AW994708, N35742, AA628994, AA630441, AA977956, AW798571, AA847636, AI074223, AI034134, AA583504, AA782407, AI291901, BE710000, AV711820, N77857, AA993826, BE536583, AI568185, AI434356, AA169685, H53260, W05819, AI367001, AA757584, AA156678, AA317301, AW582891, N42163, AW378113, AA230074, AA335935, AV651342, AI719389, AV712994, AW378105, BE716145, AA335859, BE707628, AW378118, AA281403, AI312689, AA581804, AA432128, AA335879, AA890245, N35687, AI674105, T50033, AI085540, BE697023, CI7051, AA384518, AW378101, T93581, AA912450, AA361889, BE840484, BE169354, BE707639, AA446578, N44791, AI687083, H85400, AA923554, BF091266, BE840494, T86063, AA641500, R66319, AC005479, X67698, U25748, AI8921, X78134, S77411, X85799, AL133076, AL122101, AL133655, AL133020, AL133053, AL133074, AL133049, AX040958, AX041002, AX040974, U30290, EI3998, AR015970, M37278, AX030435, AX015526, AF126531, Z69719, AF002985, AR055519, AR034821, S56141, T92154, T93222, T94671, T89488, T89660, T83699, T85048, R01007, R25764, R33756, R39758, R62496, R68141,
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HOVJY54	182	982032	1 - 1118	15 - 1132	R74261, H15768, H42468, H42681, H43449, H60096, H69969, H71589, H85394, H98245, N28549, N40132, N40844, N54906, N78197, N99645, W32944, W38819, W46910, W56106, AA025797, AA031691, AA035536, AA130026, AA149910, AA157483, AA281356, AA532481, AA603556, AA610276, AA617732, AA627954, AA837359, N85557, AA431114, AA708116, AA725139, AA845939, T11351, AA244072, AI308158, AI220771, AI632782, AI859690, AI811046, AI950900, AW025993, and AW055299.
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HLD0G74	183	982042	1 - 870	15 - 884	BE741661, BE733571, BF685462, BF984053, BE745150, AV686105, BE792465, BE901550, BE515104, BE884515, BG033955, AI052336, BE312803, BG178966, BF794342, BG036584, BE544000, BE746597, BF337890, BF038967, BE264172, AI831045, BE874094, BE910663, BE733667, BE264374, AW170205, BE544180, BF127998, AI309846, BE539160, AW160727, BE787749, BE787345, BE271779, BF667331, BG257671, AW157143, AW440255, BF205294, BF183127, AW583332, BE784901, BF671774, BF115955, AI857442, AW583701, AI560800, AA582176, BF244048, AI824142, AA485962, AW025617, AW516053, BF204148, AW439339, BE786757, BF667242, BE278628, BF130358, BF030011, AA854126, BF219377, BE271039, BE855730, AW513598, BE297318, AW439387, AW162229, BE297859,

BE280579, BF979190, BF245667, AW118054, AA635192, AW169142, AW674748, BF692567, BE281362, BE019807, AA551363, AI446101, AA617816, AA661621, AW950636, AW515901, AW166234, AW516869, AW173721, AA147816, BF213463, AI624267, BF668293, AA843831, AA491461, BE281598, AA046960, AW080229, BE207118, BE383593, BE269269, BE301062, AA284529, BF033039, AA147964, AA779189, AA886801, AU151184, BE541264, AW905878, AA709317, BF185131, T27878, AA489885, AA046940, AI200718, BE501607, AA977837, AA287072, BE295551, AA308390, AW163112, BF687680, AW675350, AA917888, AA315960, AI149590, AA599391, BF697377, BF218545, AA662287, AA009788, AI929782, AV744141, AA676677, AA314717, AA961410, AI878965, AA281634, AI688201, BF698890, AA954211, AI362751, AA929069, BF196313, AI193083, BE207789, AV736143, AI083792, AA772752, AA659107, AA983589, AV742172, AI138509, BF184787, AI040249, AW732855, AI191696, N92863, AI151496, AA687717, AI299551, AA070997, AA857870, AA503718, AV735528, AA190930, BF090320, AW058118, BE206366, AA070618, AA503128, AW407757, AA047377, AV743448, BF916297, AA128677, AI056932, AA503135, AA503108, AI393887, N74980, AA773467, AA855028, AA493807, AA650564, AA559223, AA190701, R99319, AA483970, BF229552, AV742823, AA658476, AV741392, AA307151, AI826883, F36699, AA489572, W32721, AI143806, AA190460, AA812381, BF104071, T79922, AA281695, AI194047, AA502951, AA676762, F29670, F36691, AI634447, AW005735, AA856710, BF942352, AA594442, AV743031, AV735719, H96947, AV739957, AI272958, R57018, W20469, AA191403, BG119796, AI274572, AA191288, AA740554, F26383, AA009897, R99413, R05797, AI748989, AA595773, AA282515, BF753031, F26620, F01244, AA128767, AA320093, AA343244, BF035539, R32398, AA374363, AI611288, AA374425, BF360820, AW473036, R32399, D29012, X61971, D10754, UI13393, UI13394, E05950, AL050277, AL135933, AF031147, AL357195, AB028451, X63574, AF119336, AF213396, U91329, A59344, AK025015, AF260566, AK027221, AL133640, U49434, AC020910, AY004290, AF070632, AL050129, AX014095, AL353999, AK026613, AL359620, Y08864, AL137478, AK000432, AK026164, AL137665, AF116610, AL133624, AF126488, AL096744, AL133608, AF019298, AR038854, AL117644, Z98036, AL157433, U77594, AL137526, AL110197, AF205861, AI2297, AL133623, AC009364, AC018643, S77771, AB044545, AC004227, AF003737, AK026647, AL133081, E12579, AK026659, AK025431, U87620, AK025761, X97332, AK000614, E12580, AX015416, AK024978, AL133112, AC018639, X53777, AF225424, AL161953, AK000212, AF130110, E01614, E13364, AF057300, AF057299, AC025226, AC007869, AB049892, A57389, AK026480, AK026518, T57661, T59327, T87448, R25859, R26674, H03115, W05680, W25589, AA025424, AA055954, AA057036, AA190760, AA910572, C00011, AA092293, AA093654, AA652601, L31986, AI559731, AI825361, AI885878, and AW024506.					
HE8MM52	184	982197	1 - 2789	15 - 2803	AV651781, AW965446, AI623305, BG105418, AV695144, AW500557, AI962601, AI816919,

					AI809660, BG180470, BF238787, BE958617, AI453203, AI686764, AI051938, AW008755, AI671303, AV696246, BF574073, AI624404, AA599814, AI862650, AV752796, AW088764, N49595, AI373326, N46907, AA630029, AI076703, R52979, AA682606, N66860, AW504901, AI637810, AI804504, AA635074, AI216350, AA761707, AW975470, R61617, BE144059, H04056, R13437, AV655299, AA806300, AI565337, AV690970, AV683075, AV661993, F05802, F05782, AA688425, BE093642, T68530, R60949, BF216998, T98033, N93069, AA332693, T98114, BE969752, AI377881, AI927670, W24722, AI767039, F08707, AV682040, AV681756, AV724929, AL119139, AV661953, AW805670, AI670931, AW276928, AI913173, AC026439, and F08205.
HJBCC19	185	982465	1 - 1554	15 - 1568	AL529581, BF793008, AW968792, AW958616, AI005133, Z78392, AW665074, AW572797, BE910519, AA311683, AA227581, AI961773, BF311030, AL529580, AA490975, AA580009, BE857081, H15751, W88486, BE011902, BE011961, AI669828, AA378108, AA203400, AA215739, AW297449, BE512524, N34147, and AK000516.
HODAA93	186	982618	1 - 1010	15 - 1024	AUI34734, AI921858, BG035733, AW503819, AW502845, AW393515, BE463976, BF085697, AW590049, AW025827, BF927064, M78377, AU135081, AW503556, AW999737, AF002223, U58032, AK001816, AI224979, AF057354, AF073997, AF125314, and AK023451.
HSPSI74	187	982764	1 - 1578	15 - 1592	AUI118627, BE614379, BG109394, AI051622, BG035128, BE745111, BE747176, AU133917, AA977180, AI828930, AU133984, BE906377, AI928364, AI189753, BE621857, BE904639, BE907348, BE788794, BE879963, AI819390, AI445461, BG167065, BE790436, BG119322, AI453743, BE619041, BE621186, BE620997, BE439796, AI983655, BE908365, AI685095, BE908977, BE884393, BE613669, BE789335, BE79041, AU135866, AI633575, BF037650, BE910282, BE906666, AI564644, BE547180, BG122252, BE737005, AI925607, BE905184, BE785244, BF036140, BE617891, BE906281, AW071625, AI591358, BE906618, AI720939, AI804422, AW080238, AI250777, AI678712, AW338147, BE392486, BE881236, AI865838, AI963432, BE874626, AW192593, BF126211, BE897209, BE974032, AW383999, BE548372, AW510672, BE546656, BG113740, BF105867, AI262930, AW372926, BF037109, AU137549, BE904461, AI694111, BE548097, BE785027, AI346835, BE877056, AI927769, AA292956, AW629505, AW262737, BE879732, AI161312, BF791201, BE044033, BF790033, BG165112, AI696905, AW513200, AW008570, AW651691, AI871950, BG122807, AI377596, BF674901, AA083510, AI597801, BF691383, BE617437, AW629109, AI093510, BF132064, BF382972, BF222820, BE543834, BF184069, BF573710, AI240988, BE867124, BF690916, BF195127, BF593608, BF182976, BF184281, BE905927, BE501957, BE880450, AI911921, BF106087, AI424384, AI591386, BF215412, AW820297, BF131142, BF247995, AV726627, BF102675, AA479712, BF818868, AA877242, AA706057, AA315188, AW961686, AI148698, AI677934, BE564028, AV732963, BF978564, BG169978, AW583735, AA948565, W52095, BE619741, BE961220, BF031297, AV654555, AA524526, BF687984, BE385852, BF102872, BF246934, AA088439, BF979244, AA843108, AI248307, BE156265, AW015724, AW572531, BF690647,

					<p>BF670998, AA889018, BG118773, BF687915, AA479834, AA626058, BF571504, AI285092, AI591384, W25540, AW205937, BE349186, C17732, AW959385, BE971477, AI027865, AA733014, AI955858, BF572812, AI492554, AA844898, AA452515, BF244568, AA453027, BE219784, BF126097, AI671727, BF184176, BF247378, AW779725, AA129575, AA903050, AI567995, AA404570, AI470033, BF576011, C17963, BE825569, AA088544, BE543766, AA662517, AA699452, AA723200, AA043217, AI075878, BE961124, BF057167, BF676177, AA147228, W52847, AI990245, BF673172, BE963891, AW673152, W38161, AA627686, BF575906, AA113196, BE182595, AI799814, AI333170, T66110, AI972739, AA190873, AI859160, AI446615, W45410, BE182608, BE619182, AI990827, BE327120, AA182640, BF678404, AI298935, AW085158, AW471421, BF243031, BF570900, AA682601, AW103470, AI242230, BE044134, I34297, U34276, AK023364, D16854, X75684, D86467, T55840, T65026, T85378, T97664, R21752, R21800, R38028, R38114, R79190, R79933, H27252, H28594, H38179, H52504, H61762, H64985, H64984, H80983, H64985, W19298, W60075, W73887, AA010631, AA011222, AA035067, AA035576, AA037696, AA037722, AA043216, AA085492, AA129574, AA136658, AA136645, AA148284, AA155661, AA157944, AA190427, AA190472, AA190966, AA191414, AA192519, AA250778, AA502832, AA581093, AA603586, AA837326, AA962397, AA988297, W60032, C05782, C06111, C06123, C06365, C17476, C17504, C16377, C18304, AA649494, AA291465, AA411100, AA421678, D11921, AA478271, AA478328, AA487893, AA486595, AA719173, AA722206, AA724739, AA757735, AA989662, AI032569, AI061065, T10930, Z25898, Z28771, AA953883, F09579, AI244845, AI245632, AI246953, AI249545, AI251817, AI254320, AI261359, AI270788, AI270830, AI275372, AI306933, AI309876, AI334860, AI340796, AI348877, AI363829, AI453453, AI446740, AI432033, AI472527, AI468237, AI500576, AI565439, AI582462, AI224222, AI189366, AI650338, AI349390, AI589264, AI621320, AI686240, AI692846, AI693030, AI738844, AI745717, AI769516, AI798415, AI798502, AI800106, AI823466, AI865912, AI872628, AI918453, AI918523, AI950693, AI927217, AI972899, AI985583, AW016166, AW08968, AW197954, AW242958, AW275048, AW191997, AW194272, and AW300456.</p>
HCEHZ42	188	983008	1 - 3628	15 - 3642	<p>AL537881, AL517309, BE735051, BE901285, BE616892, BE735353, BE793731, BE733509, BE545486, AL517310, AI745249, BE734335, BF526598, BE779600, BE796507, BE798600, BE886723, BE617349, BE734009, BE280110, BE901683, BE276201, BE891303, BF342463, BE729254, BE910567, BE884594, BG255411, BE279129, BE888923, BG031148, BE537150, AA604400, BE734392, AW964738, BE259025, AW327313, BE616860, AW385802, BF108767, BE903733, BE349111, BE257437, BE328784, AW156910, BF060707, AW246117, BE263626, BE392648, AI620896, BE252755, AW732968, AA398262, AW778939, BE349863, BF436950, BF964072, BE799126, BE962236, BE781464, AA602489, AI566556, BF954806, AW249583, AI160402, AI809859, BF766680, H21144, H51462, BE616366, BG257069,</p>

					AI608637, W37225, AW103894, AA984583, AI860074, AI251822, BF964921, H50198, H50199, AI637978, AW236505, AI553932, AA308870, AI341897, W37565, AI571251, F26897, AA922512, H38486, F34532, BG152624, H09117, R24306, F02992, R44903, AI624869, H29803, H46459, H47000, BE277457, AI932959, AW244024, T23597, AI814804, AA707234, AW385702, F13335, AI702387, BE834031, H44917, R40088, AI003681, AA548650, T78815, AA523188, F04394, T40327, AI332972, AI363841, Z43697, BE559682, H42170, AI678524, AW105674, BE747069, T41190, H51420, AI283350, BG014941, AA729769, H38475, AA889494, R12936, H09467, AI277180, C02213, H38470, AW844667, F13332, AA779046, AL537882, BE302833, BF764692, BG112124, H21101, BF333843, AI653323, BF949218, AA399433, H42992, BE172552, BF766013, BF948977, BE939200, AI955921, AF062360, BE514170, BE771818, I76198, AI238509, AK026112, AI671155, and AW003308.
HDPVU15	189	983592	1 - 1393	15 - 1407	AL526272, AL525155, AL522999, BF966555, AL526230, AL523065, AI608975, AL525156, AI356555, BE738267, AL522957, BF940042, AU132734, BG036876, BF207755, BE866533, BE999964, BF216980, BE567528, BF210168, AW006213, AA506981, BE748710, BF238741, BE565646, BE567849, BF028372, AI097642, BE671753, BF669347, AA481159, AI365242, BE263776, AW613149, BF207815, BF062845, BF207601, BF184549, BF029492, BE748034, AA600213, AA570018, BF677978, AI380165, AW474849, BF029410, BF212774, AW327326, BF242826, BE782106, AI189808, BF673083, BE958173, BF691558, AW327647, BF242098, W40404, BF183977, BE566862, AA521171, AI824172, BF701792, BE564186, BE737955, AI630337, AI276975, BE762520, BF183896, BE865656, AI078467, AA706141, AL047101, BE502602, BF207203, F08084, BF241687, BF246011, AI638395, AW947427, AW236896, AI076444, BF575292, W92066, AI370021, H54752, AW083735, AA308891, AA971116, AW952287, BF745131, BE563907, BF907533, R93244, BF431085, AA834180, AI220183, BF754428, F04320, BE566548, BF381304, AW750302, AA193557, BE075259, AW378464, AA847005, BF213891, AV688842, H54751, N93924, AV687331, BF745923, BF798270, BF214281, AA290913, BF209678, BF381625, AW606584, AW384533, AV699554, AA301337, AL042687, AA569904, AI189079, R57070, N85824, AA828789, AW979044, W92049, and M87339.
HT5GC28	190	984008	1 - 409	15 - 423	AW629796, BE907694, AI879258, BF123522, BG165445, AI991040, BE265179, AA306760, BE386666, BG033049, BF569429, BE616679, BE961094, AV752683, AA554831, AI904451, BF345953, AI563938, AA421977, AI908006, AA310481, C04874, AA325475, AA641261, C04859, BE298529, AI627256, BE876461, BE907784, C03419, AW085607, AI879639, AI907999, AI828997, AW800145, AA702425, AW834911, AW996129, AI348015, AA331368, AV726768, AA633265, AI078778, BE965867, AA477052, BF128018, BE698358, AI246215, AV704488, BE905105, AI356116, BF981367, AC009470, AX011754, X96506, and U41843.
HDABW50	191	984168	1 - 510	15 - 524	AW160956, BG112870, AA181146, AL533095, BE299316, BF206076, AL518638, BG025731,

HAQBH11	192	985043	1 - 1283	15 - 1297	BG027680, BE019254, BF797145, AW160779, AV701299, AL533158, BE254796, BF128863, BE267759, BE618134, BE397759, BF183232, BG034440, BF982019, BG251910, BF797411, AA306380, BE898025, BE897092, BE304609, BE280212, AL533932, BE256616, BE888620, BE257413, BF972257, BF305365, BF303592, AV701256, BE777834, BE785075, AA361278, BE259295, BF033090, BE872617, AL536483, AA147916, BG032975, BG109112, BE616894, Z21306, BF062245, BG170907, BE466819, AU077114, BE542087, BF204786, AA295792, Z20331, AA311755, AA370388, AA381537, BF568489, BE799154, AC027269, X52882, D90344, M12899, A45915, D10606, S46763, M34665, D90345, AF143497, and AF143496. BG033206, BF342428, BE512834, AL048282, AI879320, BE856361, BF795509, AU151801, BG261226, BG034970, AA744603, AW665535, BE251894, BF109751, AI554548, AA582428, BG031393, AI741757, BE676082, AI879319, AA488479, AW248852, AW406490, BE256937, AL047958, AI004611, AA037421, AA774634, N93305, AA430402, AW249274, AI400297, AI811153, AV722095, AI741768, BF125670, AL047959, AI097609, AI348358, AI221281, AI929211, AI928959, BG059980, AA430649, AI189422, AA429252, N24950, AV763462, BF821350, W84606, W79170, AI807903, BE675976, AA156930, AA156806, AW957268, AL520686, AA918136, BE350569, AI436788, BE465495, AI914409, AA731701, AW007162, AI572971, AI127872, AI086033, AI304732, AI304534, AI304332, AI436606, AI148551, AI273244, W25157, AW732151, AI016547, AI334031, AW245121, AA195312, AA680089, AA706611, AA905742, AA857129, AI935026, W74366, AI475996, AI077774, AI858890, BE618488, AA613374, AI424179, AI572567, BE302299, N37064, AI469806, AA648333, AI310080, AA854601, AA922513, AW469487, AI276775, AW978876, AA904130, BE677872, AA703663, AI832558, AA195123, AW401707, AL520541, F20916, AI434634, AI167203, AA554680, AI015217, AA716603, AI919489, AI400655, AI369295, BF204499, AI096816, AW291743, AI708380, AW510583, AI073623, AI864517, BG235989, AW957984, BF432700, BG027523, AL048281, AI473968, AI142442, H21173, AA010920, AA628365, AA181912, AA680368, W68434, AA535548, AW193651, AA666297, AW970399, AI567256, N33827, AA723469, W88714, AI129518, W02166, AA927718, BF436216, AW129400, BE903621, BE894137, AI937756, BE255000, AI439069, AW085013, AL528761, AA291158, BE618888, AL520685, H21172, AA701980, W88713, AA745783, R60749, BF438994, BE379605, AI266717, AA021053, BF220074, AA352112, AW151019, BE618705, H62602, BG122824, AI985732, BE619838, AA576306, N41653, AA777363, AA329553, AI536627, BE619636, AA364327, BE619554, AA523080, AI968125, AI362972, R16958, W68552, AW082162, H77490, W60381, AW888780, AI239605, H00750, BE778855, BF002315, AI419366, F37003, AA281392, BE252322, R55029, BE359494, AI264447, F33844, BE622622, AV758923, AA927434, AI300497, H95107, H19581, AA995088, AV739146, AL522112, AI254228, AA909383, BE783148, BF964544, AI933194, BE619936, AW206638, BE386528, N67439, AA032085, AV738905, AA906240, W32502, BF664072, N80233, BG026963, BF943594,
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HMVAW42	193	985280	1 - 1033	15 - 1047	N88679, W38324, AV739446, BF943595, H77489, BE619403, BF797152, F13662, AV758240, T85967, AA356672, AA827089, AV738715, AA886406, W60290, BE880331, A1565666, AC004148, AF275902, L04636, M69039, X75913, AR001488, AF238300, AJ001101, AJ001102, T75519, T79324, T97266, R00559, R43811, R43811, H19498, W35357, W84587, AA195016, AA256539, AA429036, AA541335, AA886821, N46376, AA090596, AA096370, AA649533, AI350333, AI432739, A1701659, AI866522, AI874327, and AW727278.
					BE882789, H18418, H18419, BF983783, T98073, BF799367, AK024419, AL049742, D86997, D88269, AC007050, AC002041, and AC007882.
HAGDF03	194	985323	1 - 886	15 - 900	BE743574, BE747360, BF037152, BF037322, BF185217, BF034907, BF035464, BE735974, BE735948, BG177694, AA912117, AI809647, AA904850, BE715907, AW167552, AI146565, BE932773, AA074391, BE932728, AA905581, BF057950, AW197091, BF818794, AW582452, AW362760, AW362834, BE736338, X76029, AF203444, M94555, and AF222762.
HOPK129	195	985401	1 - 656	15 - 670	AW967189, BF568535, BE876991, BE222939, AA504246, BG249370, BG255913, BF308620, AW328087, BF034851, AW328088, BE793300, BE905639, AI735694, AI095336, BE386578, AA614065, AA569837, AW196810, AA608885, AI653486, AA613913, AI924658, AA613925, AA554728, AI560961, AA719377, AA469078, AA830299, BF038609, AA203548, BG177899, AA614181, AI858312, AA552154, AI200336, AA885917, BE620103, AV754386, AI031613, BE784692, AA081285, AW166322, BE042784, BE791140, BE964673, AA911010, BE048169, BF568842, AA741206, AA081284, AI126452, AA155948, AI138974, AI139507, AA890569, AV751934, BF125381, AI371201, BF125620, AI205847, AA826559, BE714318, AV726932, AI355171, AI191488, AI311103, AA974366, AA632296, AI581287, W19605, BF125603, AI369911, AI052549, AI363011, AW192081, AA724119, AI110319, AA757027, AI492635, AI310711, W80967, AA828873, AA716667, N70808, W35100, AW190632, N93842, N94928, AW206213, AA804201, AW205535, BF222360, AA045330, W40298, AA186411, AA583415, AI299768, N94313, W47097, AI310460, AV739579, BG168459, AI185445, F21331, AA045388, AA602057, N69883, AW263722, AI874123, AA300062, AI133096, AA308875, BE766731, AA188134, W01415, AI192988, AI002735, AI863303, H73006, BE175080, AW603296, AW883548, AV742934, F00800, AI749433, F36662, W80968, F31017, AA303960, AA902606, AA657819, BF214015, AW883024, AA483632, F22498, BE694643, AW800284, BF820314, AA844336, BE702621, AI206672, R48509, AI445725, AI358193, BE646027, AA599755, BF752265, T90159, AV743096, T90057, F26867, AW882945, AW883656, AW375553, T35390, R35896, BF477469, BE085557, F29236, R48510, BF083095, R35895, N44815, N88653, F29357, AA193068, AW883822, N90560, N57064, D25765, AW059723, W20367, C20592, AW883811, AI253621, R29399, AA283439, BF213077, N64284, AW800074, AW882794, AI000414, AW883496, AW883108, AW883699, R57063, AI802283, N98855, AA155903, BE069170, AW385521, AW883325, AW364453, AI332761, AW820144, AW819764, AW819769, AW606771, BE766667, AW883216, AW819735.

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HAJCA11	196	985380	1 - 1282	15 - 1296	AU132390, AU124559, BE900238, BE732404, AU129885, BE080187, BE926773, BG114544, AW500118, BE537542, AU131408, BE789187, BF922033, BE281277, BF089292, BF083954, BE731775, AU128452, AW875091, N87006, N86017, BE295990, AU133348, AW875092, BE207290, BG027252, BE085014, BF242268, AC006509, A58904, U28946, U54777, U73735, D89640, and D89646.
HWAHA11	197	986078	1 - 1131	15 - 1145	AL528672, AL528671, BE740519, BG179875, BE876837, BE409722, BF125146, BE384347, BE905434, AA480075, BE736786, BE386983, BE385086, A708432, BE909934, AA777273, BF901579, AA455206, AA362335, AA969668, AA427548, BE275509, AW104489, AI799353, AA421632, AI078240, AA427707, AW955562, AA454864, AI310388, BE743523, AW170140, AW089692, AI129255, AA903911, AA362336, BF813903, R72751, R72760, AA554328, AA483784, R48745, AI197789, AA304308, AW591924, AA320293, AA491393, BF541788, AA360465, AW839762, BF818256, BE622335, AA143722, AW591933, BF927574, BE071386, BF754668, BE622797, BE071396, BE967257, BE243667, BE071302, D20583, BE729081, AX041029, and AF188504.
HSAMD43	198	986158	1 - 1595	15 - 1609	AU149573, BF034032, BE278549, BE731160, BF034631, AW236853, BF084841, AU126259, AI761782, AU151440, AU149075, BF699903, AU150909, BE542926, AL527731, BE539229, AI628901, AU150578, AU152956, AI354451, AW386462, AW386546, AW386459, AW386633, AW386541, AW386540, AW386674, AW172296, AW386290, AA496720, AL527730, AW386399, AW386293, AW386545, AW386675, AA827175, BF109445, AA766675, BF572742, BF700363, AW673859, AI039522, BF904724, AI954042, AW386400, BE538430, BE783497, BF361388, BE535955, AW386676, AA496777, AA332056, AW386463, AW401913, AU125409, BF349062, AW386593, AW386404, AU119856, AW794691, BF361390, AI630067, AW488663, AU126032, AW610565, AW605675, BE816416, AA969139, AA625769, AA948540, BE816439, AI829160, BE833448, AW386548, BE011481, BE011489, BE816391, BF767633, AI798526, BE816420, D59324, AW674070, C21288, AI254727, AI648699, AL040011, AI445620, AI927233, AL040241, AI887163, AW082532, AW051088, AI445256, AL043152, AI677797, AI445812, AI783792, BE393784, AL513729, BE964614, AW076124, AW088560, AI471429, BF921295, AW089275, AV721755, AI590575, AI972170, AL041150, AI368816, AI586931, BE883591, BE084795, AI630877, BG122101, BG251076, AI538885, AV733682, AI628284, BF965877, BE620438, AI758445, AL046944, AI249389, AI242246, AW163834, AL119791, AI357599, AW078767, AW827102, AI860830, AI886055, AI301710, AI963846, AW089405, AW149221, AI570966, AI571699, AI433611, AW025279, AI582240, AI500061, BG032919, AI453248, AI620639, AI434242, AV750565, AI917994, AA464646, F32537, AI886123, BG107844, AA838230, AI689614, AI812015, BF033757, BF793462, AI241741, BG109164, BG110577, AI439452, AI537677, AW172981, AI679550, AW104141, BF814449, AI929108, AI950877, AI682121, AI686589, AW166937, BE047691, AI818358, AI566430, AW079432, BE879108, AI184903, AV756794, AI623682,

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HNFJH73	199	986165	1 - 2951	15 - 2965	AB007812, AF026124, AK025113, S69407, AL133565, AL389982, A03736, and AF019298. AL135307, AV705200, BG113555, BE893152, AU140178, BE275933, BE894324, AI934515, AA716409, BF060791, BE299687, AI677871, AW954275, N29134, AI808415, AI621031, AA582436, AI923237, BG179963, AA700347, AA463830, AA825773, BE393064, BF219349, AU158345, AI831482, BE893515, AI829698, AI354807, AI041945, BE208699, AA831207, HI4671, AA906989, AA460265, N29562, AA679105, H07010, N29294, AA664218, BF438401, N26851, N20226, N21171, R66676, AI147747, BE567629, R53048, AI969497, AA953469, AA976405, AW206458, AW373029, AW503770, BE407841, AA224344, BF111112, Z44255, AA878064, H54297, Z44642, BG006488, AA303163, H05459, N42173, AI206338, AA219130, AA503077, T29413, BE551030, AI805791, R53135, H54374, BF110041, AI970159, R67394, AA384950, R37379, H68011, R73097, AI081796, R68165, BE302777, AW411287, BG119446, AA918529, BE314959, BF988929, AA369756, AA295590, AI927476, R14630, Z39579, R73098, AA960999, H60931, BF212051, F01802, F03399, R13469, AI565718, BF976822, H10504, AA137020, AW590683, AI652433, F03681, BF571534, C15517, F05530, AA136924, AA369755, T49871, AA341117, H60845, W93139, AA010506, BF344411, H67688, AI253282, AI825058, T49872, AW798336, AI185461, AA026121, BF701801, AA026205, AA722157, H14581, AA301189, AW411286, BE220882, R52710, BF700338, AW084882, AA219513, AA932778, N39964, X96375, X76184, AY004174, AF075706, AF075708, E06025, E06024, D12765, U35622, U18018, X63190, AF095890, X96377, and X96376.
	200	986328	1 - 738	15 - 752	AI631653, AW514704, AI683239, AI762458, BE544805, AI952420, AI675981, AI926932, BE536677, H48459, AA780363, R99152, AI049877, AA626759, AL031672, D80008, AP001712, AP000466, AL009051, AC005156, AC006006, AC002115, AC008745, AL121825, U91323, AC025030, AL133244, AL161938, AC007883, AP001630, AC016612, AP001748, AC005531, AC004386, AC002418, AL031597, AC005840, AL159970, AC008747, AL080242, AC002978, and AL031651.
HSUAA20	201	986744	1 - 2257	15 - 2271	AU125631, AU122638, AU124434, AU119564, AL521525, BG108961, AL523942, BG035161, BG251944, BG036436, BF796027, AW853573, BE898956, BG256538, BG119012, BF971387, BF038129, BF665538, BE178302, AI589375, BE292972, BE897915, AW853577, BF983057, BE178464, AI720743, BE743787, BF698180, AA576889, BF344035, BE074977, BG120570, BE074978, BE542431, AU125797, BE074983, BE927446, BF028723, AW664254, AI924017, AA622618, BF699259, AW853635, BF664182, BE773949, AV734594, BE674801, AA780625, BE764622, AW602743, BF751549, BE927448, BE773962, AI632995, AW602746, AI831228, AA127994, AA632633, BE675358, BE855875, AA830571, AW517313, AA460805, AW513297, W80991, BG029093, AA741398, BF082772, AI571048, AI141113, AA946941, AI984475, BF432650, AA652978, AI672687, AI190250, AI678469, AI092182, AA845782, BE927450, AI936315, BF334264, AI075287, BE932015, AL523941, AI597847, W81093,

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HSPAD08	202	986767	1 - 1213	15 - 1227	AW193875, AI859472, AW512687, AI298658, AI683140, AW510341, AW189037, AA075515, AI352215, AA293804, AI634702, AI972816, AA451904, AI204509, BF111273, AI680769, AI206090, AW170346, AW102571, AI491895, AI683354, AI683449, AI800229, AW105621, AW517880, AA628896, AA972922, AI131418, BE393771, AI269897, BE898899, AA477548, AA534766, AA496431, AI128837, AA555137, AA477050, AA563656, BF446212, AW054677, BE208245, AI972158, BE394824, AA432228, AA291675, AA719455, BE394667, AA496562, W67669, AA433859, AA936665, AA452084, AW003747, AA704365, F02471, AA688358, AA292518, AW166518, AA828939, H50634, AA603048, AA075256, AA078977, AA025750, AI609687, BF750539, AA010660, BF035171, AI955963, AA287213, BG150710, BF061263, AI087799, AI459028, AA428593, AI932457, H50635, BF223547, AA284324, W67668, AA327201, AA506658, AA476938, AW772554, BE674284, BE694854, AA722190, AA507349, AI540421, AA010659, AW189604, AA290981, AA969241, AI685657, AA025902, AA406009, AW088425, AA477670, AA402537, AA477179, BE001672, BE382381, BE746798, AA394184, AA477553, BE931271, AW749395, AA290980, F02231, AV705972, AA402896, AA401329, T28367, AW207468, AA079060, AI521428, BE515017, AA477665, AA335459, BF883518, AA405299, BE001677, AA385556, AW779288, AA403038, BE001587, AW467094, AA411029, AA411533, AA908550, AA293236, AA385354, AI963250, AA402928, AI130774, AW995301, BE816517, BF877343, BF877245, H53726, AL031663, AX014329, and AI8924.
HFKA32	203	987018	1 - 1853	15 - 1867	BF310989, AA779683, AA778834, BE671061, AV751426, AI055953, BG257892, AI609802,

					<p>AI860306, W27660, R52806, AW195940, AI380154, AV752306, AI174219, AI422421, AV753926, R44985, T19342, Z45051, BF313622, N50668, AA699401, AI912462, Z40782, AV754072, T32252, AV754907, AA716140, AI382444, R20199, AW519215, N50758, BF831401, BG153108, AW748527, AL449781, AL449783, AL449725, AL449782, AL449784; AL449726, AI202657, AV702148, AL121740, AL031652, and S68401.</p>
HHFLU49	204	987071	1 - 1380	15 - 1394	<p>BE792620, BE019329, AA485440, BE793998, AI469092, BE205890, AI191926, AW194434, AI184921, AL035775, AA455208, AW079362, BE269697, AA485606; AI089456, AI332821, AA630354, AA490222, AA454866, BE677870, AA744740, AI392667, AA856590, AA401195, BF529066, AW473066, BE798034, AI825496, AA352810, AA282213, D20119, R85135, AI564870, AA282165, AI453191, T28579, AA348281, R85086, C02583, BF813606, AF245447, AC022154, U48213, and D28468.</p>
HOENX16	205	987112	1 - 3893	15 - 3907	<p>BE891680, BE178297, BE178296, BE178286, AI268332, BE670810, AV707583, BF195477, BE177969, AW951402, AW958955, BE551841, BF445193, H97932, AI741806, AA778568, AW157094, AV646610, BF448214, AI268370, BE551065, AI702945, AI424098, AW451803, AI692508, AW167867, AA628493, BE044558, BG116437, BE218339, AI598189, AI654033, AV653817, AI817262, BE220165, BE467572, AA971551, AW043615, BF109315, AI936744, BE219699, BE219449, AI819358, AI057105, BF448042, BE178117, BE168027, BF434998, AI887913, BF514130, AW119000, AI459272, AW025400, BF434156, AI703246, C06099, AI689853, AW149578, BF058188, AI791586, AI417870, AI420664, BE178000, AA283186, AI703125, AA394164, AI366783, AI377829, BE178101, AW149393, BF940116, AA464856, AA483691, AI951466, AI371041, AI422898, AI566539, BE219820, AI371032, AI199202, AA583355, BF058198, AI089906, BF116136, BF115258, AA977253, AI146316, AW197103, AI094921, BE326470, AA971743, AA994584, AA044947, AI075961, AI393161, AA044943, AI202319, BE327284, BE669883, AI589590, AA972772, AI632940, AA628533, AW341013, AA629360, AI215842, AI039295, AA532381, AA931937, AI076496, AI081377, AW003065, BE856431, AI299481, AA932867, BG149327, AW079999, BF436113, AI376081, AI222964, AI362071, BF061630, BF434279, AA427892, BF115881, AA618566, H98616, AI911958, AI080656, AW028722, AA628503, AA884934, AI184689, AA433882, AI357324, AA405766, N33018, AI356893, AW341785, AA934413, AA434383, AA513037, AI673829, AI376275, BE671351, AW771579, AW152313, AW104344, AA453341, AA994794, AA730790, AI139706, AW163063, BE672575, BF514498, AW139974, AW450904, BF732982, AI560166, AA992454, BF437946, AI268743, BF058175, BF732363, D52937, AA759378, BF448255, BE564373, BE766897, AI350218, AA292346, AW969749, AW263630, N99650, BE219748, AV646822, AI094082, BF431731, AI268578, AA452493, AA577028, AA484850, AW051780, BG149815, AA405847, AI279152, AV723873, AW015816, AI279039, AA230021, AA482694, BE504543, AI383225, BE672185, D62553, T75442, AW966446, AA384817, AI143652, BF514961, BE858120, BE972813, AA001089, BE222561, AA228265, AI205651, AA829807,</p>

					AA332060, BF229130, R80152, Z63959, D44840, AI692586, BE709287, AA668713, AW028893, AA935871, AI311975, AI313288, AW951403, FI3013, FI0610, AI910420, AI379372, AA516076, R73731, R73650, AI348747, AI610907, BE180375, D62481, BF438546, AI611925, AW297589, AI784325, D45510, BF054671, BE502727, AI671347, AA621928, BE180154, BF886759, BE180152, AI351256, AA745667, D62330, AI371476, AW451761, BF054866, AI022726, U28368, Y07958, U16153, X75018, AJ001972, AF077859, AJ001971, AF030295, AI133390, AF085889, R20393, R43511, R30886, N71679, AA001053, AA149057, AA464151, AA730651, AA923038, AA934400, D79281, C20741, AA410247, AA410595, AA410596, AA436359, AA454080, AA480072, AA482617, AA709262, Z42701, AI469058, AI188065, and AW297335.
HTFOW71	206	987165	1 - 3700	15 - 3714	AU118585, BE875298, AV682483, BE708209, AW965424, BF031382, AA908770, AW194236, AA863229, AA292918, AI140754, BF130541, AI921186, AW188519, BG149424, AA878230, AI828605, AW975392, AW875556, AI949757, AI803722, AV749448, AW474515, AW474470, AI014812, AI373797, AU158313, AA526126, AA809213, AW273542, AW191931, AV715119, N62972, AI914731, N50836, AI784523, AA935043, AV681975, W04335, AA741240, N79876, AA814785, AW876605, AI000955, AI096936, AA767593, AA827102, AW876602, AW023275, AI014777, AA480539, BE007133, BF961785, AV659835, BG026599, AI358045, BF367902, AW340779, AW379327, AA280431, AW393163, R88194, AV749193, AW516924, AI095334, F17499, AW972832, AA527642, BE765701, AA334408, AA745802, W03745, AA252969, AI241826, W03727, R33831, AA745278, BE173119, R75838, N73949, AI361182, AV749201, N55158, AA096078, R75839, R33832, BE007129, N74169, AI934211, C02132, AW373395, AA253011, AI571875, AW015268, AB018256, AK026643, AK023740, and AF121862.
HTTAG03	207	987262	1 - 1291	15 - 1305	AU130318, BG259774, AU125274, AU128855, BG256568, BG177060, BE257156, AU129041, AI700706, BG024376, AW364136, BE548336, AU128166, AW386043, AW601873, BF525772, BE019700, AU132416, AU127646, AA291324, BE905471, AA179587, AW503906, AW996355, BE747534, BF087827, BE709414, AW197058, W26424, BG257764, R81308, BF754332, BE256391, AU133402, M85963, AW993840, BF754246, AU125115, AW386030, AL121131, AA207003, BE390411, AA332904, BF736085, AV724551, AW373274, AU123386, T09019, BF932018, AU133513, T31784, AU132106, N77135, AU142640, AU128923, AU130530, R18813, Z43001, AU129525, BE694459, T34189, AW975891, FI2246, T34191, BF085466, BE719825, BF376318, AU128888, BF968290, BF928373, AW163398, AA985239, T77416, T30644, H14655, BE171681, AA333145, BE887490, BG004439, BG001543, AA972641, BF895334, BG112027, T30285, R34764, AW503416, T65268, AU132457, BE719079, AV706679, BF895331, H19179, BE295342, BG252015, BE161948, AA156130, BE007849, BF845158, AA429537, BF514515, AU126430, BF929781, AV756829, W96495, BF841516, AA218823, H87691, AA082864, AI989432, AW843600, N56845, BF761493,

						BF899121, AI003240, T78660, BE002101, AA525285, AW340165, AF017085, AF043220, AF043219, AF036613, Y14946, AF038968, AF038969, U77948, AF035737, AF038967, AF015553, AC004883, AC005098, AC005080, AF267747, AC004166, AC008267, AC004867, and AC004878.
HNTN89	208	987577	1 - 1774	15 - 1788		BG031718, AW513358, BF976544, BF438157, BG032811, BF331293, BG024716, W79562, AL535366, BE884963, BG117015, AI015417, AA193361, AI168363, BF888337, BF736684, BF898627, BE252727, BF092574, BF026987, BF092380, AI313235, AI186042, BF869862, AW803215, BF835770, BF689427, BF002648, BF842552, F01241, BG256421, BF805719, AI460203, BG030479, BF309323, BG256560, BE763786, BG031518, BF922507, AW498536, BF882825, BF988866, BF182880, BE733066, AA452576, BE702993, AW601526, BF027104, BF882823, BF083180, AA195362, BF814079, BE314540, AA343903, BE799669, BF229237, BG257848, BF812714, BG007737, BF229214, BF829579, BE771762, BF827229, BE781509, BF346947, BG003854, BE747136, BE933685, AW499012, BF527029, AA248724, BE899626, BG030023, BG164309, AU141520, AI075687, AW498552, BF025833, BF900113, BE173877, BF912681, BF313647, BF954395, BF757992, AA577565, BG256431, AU118535, AI795846, BE140733, AI795807, AI795845, AI834271, BE140756, AI795820, BF766160, BE278426, AI795809, AI816586, AI816599, AI795804, AI795835, BE140737, BE140735, AI795812, AI795806, BE140736, BE839312, AI795802, BE811847, AI795830, BE772922, AI834270, BE140734, BE140738, BE694678, AI795853, BE140757, BF923079, AI795850, AI795844, BG031631, BE273730, BG176632, BF894840, BF981708, T12220, BE560871, BF348639, AA932665, BE140785, BF851195, BE777506, BF357970, AW177740, BG177284, BE889126, BE294313, BF984543, BE140782, BE707376, AA554454, AA706989, AW845338, BF882819, BE769206, AW580354, AW177756, BF966485, BF375580, AW581253, AW732883, BF203759, AW732860, BE616578, BF923384, BF842532, AA452754, AW607309, BE769218, AI834266, BE168455, BE814247, BF089125, BE082661, BE769200, BF510367, AI905996, BF972638, BE275901, X51466, Z11692, AF079098, AF079099, Y07504, U17362, M13708, E01155, U89415, X15337, X15335, X15336, X13988, Z34849, AC002347, and X04267.
HRADQ96	209	987636	1 - 799	15 - 813		AI347165, BE674960, AW262846, AL524881, BF590769, AI479150, AL524880, AI765046, AI954702, AI862166, AW341529, BE671360, AI979234, AA425381, BF222205, AW271374, AI498382, AI350299, AW207600, BF445305, BF939315, AA971011, AA045629, AA047515, AI675480, AI952656, AW136682, AW886735, R94308, AA135217, H92097, AI364888, AI566024, AA676245, T67202, AA885307, AA459915, AA460100, AA906376, AA935669, AA399986, BF590005, AW518625, AW769577, AF000503, AL132713, AF134726, AL122094, AI245661, and AA401402.
HLDCJ16	210	987808	1 - 955	15 - 969		BF110739, AV704400, BG119539, AA905643, AA011185, AW975682, AA730907, AA736634, W70279, BG116516, BF914127, AI751939, AW963708, BE734515, AI242625, AA374275, AI148822, AX046526, AX046525, and AB023209.

HCOPH23	211	987900	1 - 591	15 - 605	AV729764, AA489568, BE938598, BE535256, D63283, AW177206, AA992072, BE843894, BG108043, BE865610, AW592116, AW996479, BF920145, AW996421, BF666980, AW996637, BE568865, BF216333, BE929243, AW950983, AA355341, BF036942, X89478, and A84106.
HEEAQ78	212	988159	1 - 609	15 - 623	AI203969, BE296775, AI694104, AW006595, BG259789, W19306, AI202279, AW117484, AI244102, AA360001, D31227, AW173045, W30958, D31245, W79314, A1968556, N27070, D30986, W87555, AA099257, BE550156, AI588983, AW204247, AI366748, AI805886, AI138445, AI313140, BE468140, AI458728, AI275451, AI279857, AI674281, AI431916, AW664610, AI928380, AI269434, AW303460, BE674620, AI803131, AI867122, BE221203, AI925957, AI435892, AI767332, AI218515, N99243, AW770741, AI279859, BE670348, AI379346, BE465388, AW663406, AI265771, H85592, BF110468, AA464584, AA909667, AI073818, AI243233, AA502751, AI804773, BG009489, AW779926, AI697614, AU145024, AL121250, AA889681, AC005746, U28049, AF244917, UI5566, and AK001031.
HOFNY16	213	988363	1 - 1198	15 - 1212	BG164515, BG111223, BF112285, BG026284, BF684158, BG112559, AI741360, AI028092, BG027394, AW054930, AA843208, BF112117, BF106122, AI885734, AI086570, AA779766, AI149382, BE465615, AW131854, AI589032, AI761580, BF970936, AW338608, BG028559, BF594649, AW957967, BE535650, AI221082, AI538973, AI457118, AW305001, AA224194, N32622, BE857341, AI332782, AA574231, AW166459, AA502344, AI446132, AI333381, AA918408, BF700624, AA843391, AI188410, AA911794, AA694111, AI128450, AI017450, AI183618, AI695163, N71175, AI359210, AI362223, AI076169, AI373833, BE645009, AI969702, AI679434, AI679944, AI632818, AI751761, AA464068, AA677764, AA262544, AW611909, H98169, AA316805, AA224296, AI351595, H46974, BF939054, AI094637, N29775, BF000254, AA191432, BE439725, H99191, AW008944, BF317333, AA261907, AI654665, AA766635, AA629945, AA345802, N49576, BF941630, AA513768, N21971, AI469939, AA731203, AA627622, AI222668, AW627836, AI128771, AW206264, AI678337, AA463932, AA526189, AI535798, AA526159, BE615345, BE615934, N24474, AA781062, BF373261, AA766011, AI004436, AI249345, AA027991, AA366773, AA344096, R10708, AW131678, N28580, W19349, AU156209, AA333690, N47841, N57194, AW337311, AA027990, AA618114, AA861099, AA508759, AA780171, AA355540, AA508773, AA528039, AW972443, AW972641, AA535956, T25759, BE770747, AA918251, BE164977, BF997435, AI687527, AI749060, AW197976, H83283, AW104117, AW866581, AW866501, BE841187, BF374341, AW969030, BF001680, BF792390, H61031, AW866266, AW132056, AI590043, BF812960, AI433157, AI702073, BF812961, AI950892, AI635942, BF812938, AW827289, AI114703, AI280637, AI648454, BF970652, AI435253, AI633125, BE047852, AI445611, AL514717, AI569583, AW366372, AI698391, AW129659, AI635461, AI888208, AI862139, AW168650, AW026882, AI491775, BE964614, BF724198, AI431975, BF814453, AW251034, AW051258, AI536685, AI802542, AI818980, AL515191, BF816042, AV729953,

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HSLCX45	214	988441	1 - 1594	15 - 1608	AF118070, X80340, U58996, AK024974, AF026124, AL157431, AL117443, AL117435, U35846, and U42766. AU138309, BE378723, AW954529, BG170125, BE407482, BF345314, BG110266, AU126439, BG252087, AL207589, BE538230, AW370396, AW514900, AW614778, BE873057, AW370434, BF968320, BG257066, AA166771, BG112058, AL525443, BF346757, BG118689, BE545196, AI808550, AU128363, AI076009, AW748425, AL135589, AA167097, BG167568, AA430610, AI825617, AW796311, AW182707, AW748427, AI026641, BG163741, H51991, AA975592, AW995303, AI264089, AA430525, AI372496, AU297731, AW573289, AI219300, AA322231, Z45337, AI080168, AI766072, BF727366, AV696797, R76072, AA384673, W24461, BF445015, AI806968, R54168, AA296920, BE171602, BF894766, BE171603, R82603, AA294943, AV692839, AA310705, AA632404, N42674, R14396, BF726113, BE892010, AI865128, AA824553, N32458, AA356894, AA166959, AI609522, AA166910, AI253143, BE162789, BF351162, AI924986, AA444136, AI075198, W05098, AA385099, AW374839, BF516243, AI248101, AI805883, AA582768, AA809507, AA731343, W44721, AA862207, R56252, AA826145, AA573521, AW407346, BG028788, N92283, BF445409, W38624, AI373279, AI150941, AI655627, AA89359, BF439835, AW613357, AI304379, AL133843, AI143202, AI767348, BE671632, AA055559, AA400410, AI826612, AI655656, AI433399, AI361012, AI214658, T32981, AW513581, AW513568, AW772436, AW130640, BE670317, TI9107, AU150661, BE220152, Z41049, AL524537, AA700295, AA001677, AW768493, BF726112, AA730248, BF196078, AW511016, AI693099, AI693113, AW150675, AA948601, AA450020, AW081598, AA947191, BF515680, AI826592, AA031305, AI693090, AW748435, T93242, AA436536, AA526868, BF034090, R82604, AA826163, AA669789, BF591968, N48257, BE550159, BF589688, T93135, AW051111, BF754254, D79627, BF184824, AI887184, BF448111, BF893582, H30152, AW844424, BE972243, BG178888, BF934121, AA180040, N35415, AA555145, AK001437, AX010197, AB006572, AF091095, AX010199, AP000693, Z82196, and AI916220. BE791453, BE266718, AI831454, AI478449, BF204533, BE728534, AW872373, AI366669, AI280407, AA306735, BG149615, N93873, AI268479, BE669813, AA465678, BE550202, AA912151, AA394238, AA972278, AW138759, AA310901, AW004693, AW008896, H96033, AA576640, AA292385, BF307199, BF511769, and AI074225. AA863120, BF732255, BE326946, AW298244, AA017053, AA435512, AW295622, AW295626, AI951643, T53592, BE939132, AW294754, AA393547, T53591, AV699140, AA969193, R05527, AI085442, AA372985, R22075, AL160237, AC022137, AC011452, AC010636, AC002097, AF072711, AC006452, AL022326, AC008469, AC005520, U82670, AF176315, AL136969, AL365217, AC008770, AC005057, AC073316, AL133258, Z97054, Z69387, and AP000344.
HLMJB09	215	988499	1 - 577	15 - 591	
HOVEF60	216	988526	1 - 1429	15 - 1443	
HOGDR72	217	988536	1 - 530	15 - 544	BF967495, BF211711, AW327285, BF526862, BG025286, BF979085, BG027660, BE251902,

					<p>AV762304, BE260454, BF129885, AV741191, BF681456, BE907272, AI884918, AI095756, F30101, BE254907, AU126691, AV714954, AI827092, AV743251, AV710585, AW732886, AI344424, AA584218, AA744890, AI300848, W16526, AI748804, AI857538, AI264687, W47377, BF792830, AA040213, AA609680, AA937134, AV745024, BF681171, AA557625, BG231394, BF239199, AI188746, AV721211, AA855009, AV715743, BF686712, AI033767, AA420847, BF965251, AV724057, AI312889, AI342092, AI392941, AV715743, BF686712, AI033767, AI298244, D61196, AA707532, AI338594, D20757, F24231, BF447322, AA650234, AA758576, N29939, AA468938, W05637, AV751983, AA313977, AA683534, AA469013, BE868256, FI9198, AV737070, D51524, AA420429, AA657493, AI749529, AA335917, AW008966, H10544, AI131360, AI037998, BF240779, AI751883, AA313970, AI051789, AI159957, W47378, AA523187, AW026532, BE887794, AI857469, AA657513, F24557, AA146866, AI720892, F36863, F28793, W32886, AA146867, AW007089, BE672619, D81191, AA968838, BF337165, D51520, AA889941, BF954574, BF209878, AA632059, AA576811, AI300706, T9725, AV739817, T68141, BE812441, R73094, AA339720, FI9462, BE073352, AA724959, AA961393, AI336135, AI138721, F27913, T30336, AI204128, F31843, T32200, AA568145, T36073, N74191, BF210913, T67995, T92099, T71446, BG254284, F34123, AI749424, D56154, BF954482, AW884243, AW939886, AA083105, D81173, AA313992, W35155, BF239376, AA471133, AW631265, BF572665, T31892, BF131513, D81247, W04355, BF572508, AW327625, D81378, D52437, AA082542, D52443, D59501, AW793583, AA083106, T24841, C03173, BE972561, W05779, R29137, H89590, D53867, BF799254, T35945, D52190, AV737705, AI936104, N92532, AA630017, AA040193, AA922437, AA382273, AI161393, F22684, AV741683, AA996319, T36223, F29277, AV719994, AA721470, AA622177, AA040194, BE073240, W38814, AA382638, BF840821, T77354, H24146, BE907742, BE073229, BF588473, AI191983, BE905959, BF431001, AA633270, BF572727, AA860915, AI046356, AI041862, AI079977, AX017269, AR022287, AI138958, I42855, AR022284, AC004493, and AC005570.</p>
HOCMF20	218	988556	1 - 1296	15 - 1310	<p>BE514634, BG256857, BE870314, BE537227, BG107758, AU157540, BE379227, BG180584, AA039903, AW957081, BF666246, AA041527, BF223913, AI088688, AI452952, BE463637, AI768938, AI354883, AI569996, AI168582, BE746240, AI189869, BF930629, AU138248, BG167829, AA214649, BF897138, AW613854, AI086670, R70656, AW262560, AA906264, BG176733, AA862839, BF992831, BE613477, BE614226, BF772857, BE741553, AA369318, AA398795, AA334622, AW749053, BF979310, BE541549, AI990089, R01145, AA367593, AI990659, AA379173, AL449915, AI886597, AI024032, AA435840, AA670197, AA847919, BF195634, AA248230, BE707671, N81095, BF196800, AI476295, AW818630, BE677063, AW630122, AW582595, BE072906, BF899151, AW818433, BF928637, AA211075, AW582587, BF877092, R05760, AW858854, BE964371, BF773525, BE937222, AA079305, BF799977, BF982105, BF988362, BE927423, Y10043, AF003626, AX012194, AX011713,</p>

HAMHH26	219	988737	1 - 915	15 - 929	AF022465, AL357512, Z83826, Z93931, AC016617, AC002526, Y10044, AL353728, AL137124, AC005519, AC005479, AL136094, AL034450, AC002375, AL049709, AL035420, AF047701, L05085, AC004493, AK025903, AK025579, AB016091, AB002322, AF201422, AB016092, Y17793, AX030435, and W07456.
					AU128934, AW295223, BE464400, AA991499, BE896488, AA350115, AA862497, AW803075, BF307480, BE771630, AL565361, BF305159, BG035692, AU143667, BE888160, BF308892, BG167064, BF316003, BG105910, AL533676, AA689522, AL527443, BF310865, BE561846, BE902727, BE250595, BE562560, AI970905, AB014077, AC004209, AP000513, U63336, and Z63167.
HHFOX44	220	988904	1 - 951	15 - 965	AL526701, AL522456, AL532453, AL527039, AL523903, AL526253, AL528026, AL527184, BE313151, BF981949, BE382548, AL528052, BE382760, AL530393, BE563051, BF316765, AL525360, BE295221, BE395130, BF343372, AL522455, AW161570, AI752220, AL528025, AL523902, AI752281, AL532452, BF316189, AA780343, BE314081, AI751714, BE710678, BE312148, AL525320, AA838048, BF526000, BE262585, AA308676, BE735562, BE295717, BF340685, BE714898, BF206587, BF207314, BF875508, AL527163, BE383255, AA532924, BF312104, AW160787, BF342085, BF206655, BF338128, AL524678, AA443563, T61701, AI750244, AW605824, BE792522, BG026032, AA327814, AI815410, AA042827, AI460348, AI365667, R19505, A09809, X16302, M35410, S37712, M69237, AF074854, S44612, AF120326, U21117, AC007563, M69239, S37722, and U21118.
HPWDE54	221	989029	1 - 4052	15 - 4066	AW857689, AW276231, BE551292, BF308481, BE299013, AA490201, BE670363, BF669630, AW005386, AV716271, W58532, N34876, H49263, AI989984, BF380965, BF351245, AW604667, T65325, AA316606, AI632927, AA284855, AW175932, AA456691, AA479509, AA284772, BF882124, BF754718, AI332652, AA479512, AI344533, H20606, BE502863, BF527371, AI025009, AI914188, F11769, AA449658, BF093603, AA992445, H14740, H69342, BF329858, H78105, AA065099, BE220691, AW003734, R91727, BG015459, AW468776, AI239843, BF333777, AA411443, AL135088, AA235153, AI651557, BE048365, F35147, BE311701, BF803133, AA479511, AW080475, AA689564, AI093007, BF329815, AI367837, Z41915, AW051387, W24995, AI613126, AW975318, AW383213, H82282, H24463, BF761251, BF834044, N55797, BF761000, N39880, AA284683, AI582820, AW444888, BE326218, AW002105, BE768127, AI350138, AI681729, H60265, BE940320, BE326820, AA284567, AA815230, AA476964, BF911584, BF909991, AW183890, AI241032, W46875, AA084319, AI633647, H94957, AI262918, AI022584, AW005596, N43950, H82389, AI683444, AI252060, and M85156.
HNOAX46	222	989183	1 - 2741	15 - 2755	AU119537, AU134978, AI064858, AI064875, AW007726, AV703643, AU127757, AI694749, AI819136, AI887756, AI869305, BE885171, AA600798, AI887625, AI628095, BF061377, BE348369, AA723035, BF525409, AU148211, AI203615, AU145850, BE178344, AW169246, AI523583, AI922660, AI589554, BE720104, AV722120, AI805580, AU148112, BG250310,

AI377058, AI810912, AA398656, BF996331, AU148093, C05969, AW874271, N66451, AI073379, AI469977, BF571021, BE674095, BE297119, AI990024, AI371810, AA075584, AI623425, AI279574, AW971637, BE620518, AI499097, AI493871, AI291024, AI492893, AW960228, AA115284, AI720722, AI129299, AV697501, AA634410, AA706055, AA916688, AI222756, AI741475, AA136985, AU155745, AW190821, AW169279, AI628193, AA908259, AA845441, AI954086, AI680250, AA398754, AI093023, AA159897, BF244333, BF111354, AV701004, AI120202, AI298221, AA894561, AI210731, AI094211, BF476045, BE047218, AI363414, BF940251, AA664129, BE543935, AI805397, BF340684, BE790182, BF806198, AA436470, BE620915, AA713506, AA507594, AA625928, AI275221, AV660625, AA436520, BF809549, BF594770, AA292853, AW513038, W17099, AI281346, AI246750, BF822594, AW337467, AI457557, AI273621, AI358407, AV660420, AI089874, AI985765, AA565456, AA137111, AI051001, AA160265, AI301506, AI077775, AW271244, BE311714, AW044421, AV691111, AA508866, AI190740, AI672582, AA171627, AA907462, AW439122, BF382756, AW276059, BF376236, W33010, AA918085, AV659734, AI073377, BG015156, AA653335, BG113981, AI126887, AI079660, AU148196, BE146057, BF979837, AI475605, BE767928, AI751734, D57160, BF727149, BF448001, AW015164, AI922611, AI683103, BF525402, BE181216, AW511814, AW073312, BE940492, AW243771, AA977865, AI564424, AV699550, W35397, AI751906, BE971256, AA844327, AW630218, AA877447, AV650593, AV709628, BG012725, BE875929, AA171771, C00682, BF837333, AA730730, AW057767, AV659922, AI940054, H19824, AI630539, AI041582, BE328606, H87492, AW239505, AW021613, BE042700, AI935833, AI272094, AA621794, AW517994, BE767925, AI628171, AI572928, AI224383, AI269397, AI700135, AA029668, AI690407, AW768363, AA418591, BE965181, AW020196, BF804869, AA165005, H45176, AA327980, AI368771, AI422039, AI811735, H11196, AA502116, AA631471, AI171737, W45662, N90940, BE843804, AI950655, BF475871, H11102, AI383266, AA693578, AA853548, AI672986, AI581920, AI052283, AI805968, BF806807, AA639457, AI096876, BF125741, BG012720, H40424, AI168134, T48727, AI630920, AA614282, AW088935, BE768420, AA771963, AV684034, AW264774, BF337920, D82656, X79067, X52590, AK024202, M58566, X99404, AF061981, AC020910, AF123320, A75260, AF061982, M58564, I48979, I89947, AB048953, S78214, AF116644, AF116639, AF116691, A08916, AL049938, AF113013, AL049452, AL133640, AF113691, AF130082, AF113689, AF116631, AF271981, AF116688, AF116602, AF130104, I48978, AF130105, AF090934, AF130059, AF090903, Y11587, AF078844, AL050116, AF118064, AL157431, AK026865, AL110221, AL080060, AF090900, AL110196, AB041801, AF090943, AF119875, AX046603, AL389978, AL133016, AF104032, AF113690, AL050149, AL117460, AL162083, AF118070, AL050393, AX019230, AL122050, AF119878, AF116646, AK025339, AF090901, AL390167, AL359596, I31396, AL117457, AF113694, AF130092, AK024538, AL050146, AL137527, AF125949, AF138861, AR059958, AL442082, AB048964,					
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					AK026608, S68736, AF218014, AF130075, A08913, AR079032, AL359601, L31397, AB050510, AJ242859, AL442072, AB049758, AF106862, AF111847, AL162006, AL133606, AK000212, AK026741, AL121656, A93016, I89931, AX019229, AL137550, AR087170, AL049382, AB047615, AL133075, AL050108, U91329, AL133093, X63574, U80742, X84990, U42766, AK025958, AL122049, I33392, AR011880, AF090896, AK000618, AL050138, AX040958, AL133080, AB047904, AL049314, AK000432, AL050277, AL049430, AK000614, A65341, AL137557, AK025084, AK026462, AF113699, AK027164, AK025414, AF130099, AL117435, AF130066, AK027204, AK026583, U72620, AF113019, AF119871, AL157482, AB019565, U35846, AL110280, AF119899, AL080159, AF119909, AK027113, AK026480, AF219137, AF113676, AF177401, AL080137, AX026824, AX026823, A03736, AL137283, X82434, AK026542, AK026353, A58524, AL133113, AK000083, AK026528, U00763, AL122110, A58523, AB048974, AB051158, AL122093, AL096744, AK026534, AL353956, AF230496, AL389982, AL133104, AJ299431, AK026744, AL162062, AL137459, AK026408, A08910, AK026629, A77033, A77035, A08909, AF158248, AX042059, AK025491, I09360, Y14314, AK026452, AK026642, AF177336, AX040974, AF183393, AX006092, X98834, AL049464, AL050024, Y16645, AF225424, AK025484, X93495, AF242189, AF017437, AK026504, AF061943, AF119865, AL117585, AF146568, AL049466, I03321, AF087943, AL353625, AF271350, E03348, AF097996, I26207, AJ238278, AK025632, AF067728, AL133077, AK026855, AK026784, AF119894, AK024588, AL359622, T49704, T49705, R22942, R23048, R24000, R24169, R36645, R39724, R53095, R72816, H00564, H00565, H18796, H19855, H43611, H44654, H45175, R82949, R83142, H89284, N42350, AA160264, AA171703, AA210861, AA232978, AA262591, AA463654, AA418653, AA424743, AA283920, AA283919, AA492125, AA551494, AA639050, AA662041, AA765871, AA768524, AA857989, AA953584, AI005538, N84392, W44442, C02453, N86404, AA642653, AA648371, AA441954, Z19687, AA708484, AA725245, AA853547, AA905854, AA962353, T10948, T17190, AA953836, AI254359, AI273937, AI306707, AI378429, AI432005, AI400922, AI473488, AI470607, AI568121, AI569533, AI581017, AI623668, AI628554, AI208299, AI537099, AI342593, AI613277, AI683073, AI696356, AI784432, AI862374, AI866360, AI949530, AW024495, AW090146, AW117844, AW073483, AW148468, AW166720, AW166985, AW169053, AW169190, AW196010, AW265452, AW265453, AW189688, and AW194540.
HCQCB28	223	989280	1 - 1134	15 - 1148	AL520689, BE735404, BG112775, AI857685, BG167421, W19090, AI127950, AI093116, AI937245, AI498052, AA837396, AA931150, AA894527, AI077433, AA814942, AA729327, AA910659, AW405693, AA836412, AA564324, AI623269, AA846844, R16770, AA932274, AW854929, BF667815, BE208685, AI470094, T89616, BF754529, AI208399, N79612, AV756491, AW328331, AI625604, AI635440, AW370878, AI698941, AI282253, AW069227, AW969824, AW819125, BF725844, BF804385, AI687343, AI609972, AW968338, AL046746,

BE138594, AW500684, AA704393, AL251034, BE139139, AW805539, AV762633, AL250552, T74524, AV760391, AL135377, AI755214, AI114657, AL079734, AA809546, AW505253, AI251284, AL251203, AL119691, AI754567, AL223626, AA410788, AI754105, AW502975, AW303098, AI357823, AV764259, AV760389, AI792575, BF216280, AW021583, AI284543, AI634187, AW576251, AA533025, AI565084, AU117926, AI590458, AI537800, AI491765, BE138387, AW975049, AI829480, AW157005, AI801649, AI267356, AA535216, AI620992, BF868994, AI792521, AA587604, AI457313, BG236628, AA579427, AI254770, AV763540, AA126475, AW957372, AW021917, AA904211, AV710482, AW474168, AW083934, AV760466, AI028510, AI523205, AW023111, AF001548, AP001717, AL078461, AP000356, AL035455, Z83844, AF207550, Z82190, AC005531, AC005156, AC004638, AP001068, AC005480, AP001671, AC020916, AC004826, Z95116, AC011742, AC006057, AP001753, AP001725, AL352984, AC002115, AL158830, AC005237, AL049779, AP000030, AJ011930, AL163300, AL034374, AL157818, AC009600, AC004990, AB003151, AC019171, AC020898, AC000052, AP001710, AP001711, AL139396, AC027319, AC006983, AC020908, AC006581, AC003104, AC005666, Z98742, Z84487, AL022323, AC009244, AC024067, AC009516, AC008567, AC002365, AP000553, AC010252, AL049631, AC005701, AP001469, AL021878, AL138787, AC003101, AC008626, AL161936, AL031848, AF227510, AC008812, AL499628, AC010748, AP001709, AL133260, AC005914, AL136526, AL034372, AC004594, AC011490, AC006064, AP002085, AL159997, AC009477, AL158040, AL137061, AB001523, AF165926, AC004659, AC007216, AC018694, AC004099, AP000692, AC002316, AP000555, AL133387, AP001054, AC025593, AC036103, AC012309, AC004477, AF111169, U62317, AL031602, AC006211, AL121753, AC008249, AL136981, AC011510, AL359457, AJ295844, AC000117, AC005015, AC010605, AL162615, AC000378, AL163248, AC005295, AL031587, AL049569, AL109984, AC002425, AL009179, AL035659, AC018751, Z98200, AC005829, AC004965, AC006449, AL353802, AC005488, AC009079, AP002898, AC005746, AP001727, AC005786, AF168787, AC005846, AL136444, Z93015, AC007383, AL023575, AC004848, AC069539, AC009032, AC007384, AL021368, Z82244, AC003690, AC005903, AC004491, AP000131, AP000209, AC023490, AC011527, AC007247, AP001759, AC005080, AC005391, AL049795, AC034246, AL391833, AL109865, AC005500, AL136980, AC009501, AC004752, AL163249, AC005377, AL117354, AC007376, AP001675, AC008687, AC005071, AC011455, AL022326, AC002544, AL135839, AL096701, AP001748, AC005529, AC007564, AC006329, AC009154, AP001630, AC006312, AC011470, AC007066, AC073175, AC007541, AC004234, AC008727, AP001039, AC007686, AL033529, AC010553, AF317635, AC008267, AC007981, AC011475, AC003962, AL136418, AC007263, AC022515, AC005799, AL009183, AC020904, AC006285, AL133448, AL035089, AL022163, AC004674, AC004522, AC010627, AC01462, AC010491, AL132825, AC004906, AL022336, AL008582, AF240628, AC003954, AC008379, AL034423, AL049709, AC008753, AC008115, AP001468, AL135905, AP000065, AC008745, AC006468,
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HOOJB32	224	989321	1 - 2335	15 - 2349	AC005072, AC009086, AC022596, AL021707, AC005736, AC008055, AL035071, AC006960, AL133454, AC006515, AC010789, AC021016, AL022147, AC006480, AL117339, AC005236, AC018712, AL033520, AL022165, AC003663, and AL021395. AL515532, AA829751, BE748918, AW007550, AL515533, AU119923, AL518484, BF697251, AW978734, AA812215, AL333647, AA776760, AA479310, AA976233, AA765519, AA602624, AW978969, BF214666, AW893942, AW993668, BF726646, BF036225, AI619447, AW272900, AA143053, BF589461, AI832440, AA825905, AW271599, AW439208, BF981088, AA868695, AA632054, BE895236, AW607674, AA143252, W60553, N27545, AA255434, AW272364, AI886366, AA027768, AA766708, AI079161, AI963170, AI079664, BF132493, AI274767, AA938443, Z25256, AI803757, AA757112, N40361, AV699373, AW607572, T50699, AW607642, F00462, BE165952, BF130297, AA876224, BE560621, BE748396, AA294831, BF900791, AI698984, AA255596, AW572264, AA805436, AA357727, T77071, BE896446, BF921133, AW964250, AA479413, BE542265, BF241063, BF576917, R80504, AI886367, AB007619, AF006265, AF076524, AL133353, L29555, AF059321, and AI168650.
HMWJ35	225	989323	1 - 595	15 - 609	BF130431, AU148003, BF541521, BF668426, BE960616, AW955644, BF242464, BF242953, BF700182, AW592565, AL536954, BE737954, N39380, BF698754, BF214449, BF667459, BE565781, BF028162, AA640397, BE748478, BF238497, BF664849, W00920, BF665032, BF570721, AW976277, BF027869, BF664855, AA379071, AA329515, D80838, AL536953, BF695984, AA936496, AL109925, AK022419, AF254117, AF264787, AL137060, Y15228, Y15381, and Z57881.
HHFIA95	226	989396	1 - 3136	15 - 3150	AU118053, AI761722, AU133368, BE220681, BE904300, AA903124, BE218571, BE875326, BF110216, BG254952, BE393532, AL134516, BG105299, BG177247, BE885702, BE154897, BF037984, AI831473, BF574765, BF576023, BG260292, BE439745, AA604081, AA603455, AW629057, AI817117, AI694366, W80392, AI935246, AU144710, AA887227, BE154865, BG104770, AI076013, AA211611, AW168295, BF672060, BE154866, BF036585, BE154898, BF355599, BF671956, BF031143, AW769409, AW263745, AW977292, AA211683, BE075303, AU154716, BF215526, BF800037, AW086067, BE871344, AI281897, AI827407, AI244255, AI660036, BE789605, AI559254, AA044091, BF983298, AI122753, AA917034, AI637588, AI808102, R60765, W78970, N22921, AA393852, AI040177, BF229422, W56449, Z33451, AW771892, AI190898, AA547998, AW242400, AI188686, AI242430, AA604102, AA044281, AA765282, AV722457, AI338330, AA159042, BE880891, BF574179, AI338329, BF103937, BF219369, H18545, AI973242, BF105139, AA393851, BE891180, AA995784, R60253, AA569460, AA936280, F06764, AA993733, AA031985, AA541308, R67234, BF229418, BF802756, Z39821, AA173320, AW136432, N63356, AW316605, H51502, AA173319, AU124276, H02648, BF672600, Z26973, R81685, AI244925, AI016876, H18437, BF686307, AW265135, T54070, AI541355, AA565781, AW023057, R74303, AA856745,

					T34301, R28236, H74149, R38158, AI332886, Z42782, AW242417, R34113, AA731347, BF734577, BE708141, H51503, R38121, F05473, D57866, AW804895, BF577280, AA031984, R27980, R81686, R38063, R38035, AA300862, AI804174, AW050651, Z38926, AA894455, AI499327, BF355594, AW151345, BF088241, BE932744, BE932715, BE932737, BE719774, BF835036, F01732, BE167500, BF088221, BE933511, BF790450, BE719784, AA248693, BE719818, BE719777, AI364416, BE719788, BE932729, BE932756, BE932760, BF835030, BE932736, BF835028, BE064173, BF088220, AK021602, AB002533, U93240, Y12393, AF020771, AK001237, D17139, AI022152, AC000100, AC004945, AL109623, AC005392, AL034551, AC020599, AC005783, AL162811, AC009314, AC003001, AL031054, AL139396, AC017047, and AC084429.
HSPSH36	227	989607	1 - 3341	15 - 3355	AI084794, AI079577, BE881652, BF339888, AU129623, AI860227, BF527871, BE902813, AW247256, AW149506, AI340349, AW165995, BE258548, BG120667, BE562875, BE671167, N49941, BG122408, AI937382, BE220476, AA114972, BE467738, BE872452, AI798846, AW043850, BG104282, AI660526, AW504750, AA053861, AA432275, AA034091, BF798185, AI310064, AI677900, AI587077, AA543064, BE045523, AW898148, AI693972, AI356444, AA845685, AI084913, AI140117, AW593208, BF111021, AI273445, AA431268, AA934875, AW248351, BF432911, BE670425, BE828110, AI221382, AI356446, AI160550, BE217783, BG112435, AI689824, BF110424, AI914318, AA933658, W73665, BE673799, AI359956, AI360429, AI804623, AW965712, AW205262, AI342370, AA620610, AA918736, AI279173, BG149447, AA041542, AI304417, AA515511, BF061408, AI565733, AI859179, BE674577, AW071018, BF061911, AI351605, AA001196, AA923717, AA706669, AI950177, AI566935, AI311478, W73617, AA007600, BF840585, BF061852, AA503205, AW014660, BF112260, N52723, AW303274, AA352018, AA961114, BF195300, AI480209, AI278673, AI916311, H38785, AA047595, AA136472, AI052140, AI298446, AA057216, AW043575, AI128768, BF446866, W68642, AI033091, AW665976, AA889932, H95052, AA747719, T66290, AI298975, BF773249, AI375774, AI703297, AI500368, H20393, BE327032, N99560, AI090578, AI023749, AA086083, AI275622, AA757794, AI452648, AI583232, AI568624, AW470278, W68641, BF978456, AI364086, HI6275, H38686, BE831779, AI459176, H83993, AW149552, AW949838, AI422271, R05556, HI2369, BE676655, BF197252, AI609045, BF055295, R19188, R87458, R05663, AI268656, T66343, H21010, N50155, R71281, H43161, R61162, R85142, AI918177, R73430, R71230, AA372029, AI268549, AI702648, H75726, R99486, BG165410, HI2317, AA814517, BE645111, AI348485, R99485, AI500402, AA975326, AA976181, R31047, AI348329, AI083736, AI369621, AI568988, Z41094, H66760, AI479912, AA086084, AI970578, H22528, W35148, AA971720, F12147, AA760693, H19816, H20389, Z43042, AA016275, AA782921, R05664, BE044409, F08012, AW973038, AA927449, H94692, BF766588, AA019859, AW151197, R56553, R05452, BE762898, H20197, AW006795, AI457786, AW002114, AW247925, AI937423, AA725110, AW505065,

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HAAAA25	228	989952	1 - 1179	15 - 1193	AI680985, BG168038, AW945162, AW950652, AA554513, BE880730, BG170870, BE223010,

HTENJ16	229	990060	1 - 784	15 - 798	<p>AA877139, AA807892, AA514409, BE674773, A1250782, BE546729, A1214214, BF541519, BE302087, AA625531, AA593396, A1224033, A1016409, A1538453, A1281360, A1274110, A1249030, A1539329, N22772, AA722760, A1093842, AA550843, A1140319, AW674698, A1828736, AA972406, A1688907, A1337957, A1339781, A1278350, W87861, AA975567, AA857219, AW167933, W87741, A1538452, AW862480, A1474024, A1278811, AA464600, BF913633, AA527483, AA477850, N31654, AV653447, AW610369, AA857170, H58025, AW610357, AA235530, A1051600, AW384171, H24033, AV653129, AW384172, R45453, AW023520, AW384760, AA737307, A1989439, BE697073, AA923634, AW129709, T29737, AA477744, AA568370, AA641366, AA344094, AA298522, BE887376, R11264, BE891714, BG256267, R43413, BG259256, A1286350, F02958, BF806630, AA908416, AA703369, AW021464, R48004, AA304930, AV711648, R11207, BE814225, H57934, AW751711, AW747912, AW998901, BF795814, R43857, BE140421, AW949294, D19854, BF911096, BE928366, BE928405, AA410662, A1003385, BE928395, BE928396, AR009803, X00364, K00535, D10493, M38057, L00058, X54629, K01906, X00198, K02276, V00568, M88116, M88115, M22728, X00247, X97040, X13232, Y00396, Z68501, K01904, E01841, L00039, X01023, X00197, AF160483, M15078, AF160487, X95367, AF160489, AF160485, AF160491, M25762, U37688, AX018968, AX000474, AX000476, AX018972, A76272, M19724, X66258, U62109, X53248, AF076523, M13930, I24429, and I24433.</p> <p>BF309104, BE559524, BE281458, BE385728, BE786863, AV756337, AA779378, AA806308, BF027226, A1955259, BG115810, BE257947, A1479643, A1201081, AA449114, A1523836, AW105647, A1371725, BF971945, BF037117, A1332998, BE791557, BE796212, A1832556, A1360813, AA812681, A1338226, AV733716, AA133351, BE795339, A1160821, AA417906, AA719870, BE744787, A1911189, AA652508, AA074869, AA677398, AA196804, BF685157, AA713507, A1028708, AA583945, A1949595, BE730232, A1804084, AV701912, A1272799, A1076158, BF684668, BE512992, BF037939, AA758900, BF686755, A1084956, BF667373, A1738876, AA593880, AA478598, A1081646, AA513306, BE793024, AA419554, A1192864, A1189240, W42538, A1401016, BF032897, BF207166, BF694324, A1242445, BF975403, A1094068, BF733159, BE878000, AA620875, A1188600, AA657626, A1274502, BF680048, A1187079, AA962082, BG176811, BF308448, AA463687, AA196803, AV744973, A1284416, A1224529, AA468047, F19538, AV709297, AA308585, BF244980, A1804825, A1871846, AA234166, AA234913, AA987467, A1127473, A1147167, AA187442, AA721050, AA233918, A1476030, AA234914, AA482379, BE698022, BE717214, AW795107, BE163110, AA463761, AA471119, AW873836, AA468083, AA872664, AA091369, AW844269, BE698050, AW844282, A1253673, A1220722, AA312835, AA969703, AA906776, AA229993, AA469001, AA468096, W31092, AA357299, AA318396, A1003540, AW964407, A1687745, AA468927, AA720885, BF374556, AA628636, N44134, AA479333, A1186421, AA449548, BF955675, AA385197, AV742900, AW794203, BF797432, AA833536, BE833240, AA887208,</p>
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HWLAB90	230	990146	1 - 2999	15 - 3013	AA318716, AA187616, AI243176, AI371742, AA383017, BF819540, Z20217, AW602656, AW504060, AC006064, AF151075, D63880, AF002085, AP001631, AP001748, and A74500. AV714144, BG032179, AW970180, AW968919, BG166257, AA488919, AW193898, AI809235, AA975791, W91952, AI761005, AI670010, AI339783, AI033067, BF034415, AW130078, BG002378, AI859374, BE898684, AA873447, R56753, W67396, AA514367, AA468526, AW613857, AI272684, AW303839, W67251, AA614766, R97330, AI304566, AA574117, H56576, H10098, AA488848, H10045, BF367097, C00414, AI300710, AI767837, AA918651, AW080712, AI015068, R97302, AI219130, AA977641, H81286, AA721681, AW630124, AI244872, R56905, H81342, W91879, AA009655, AI358594, AI991374, BF987177, H56577, AA886283, BF056410, R25858, BE091015, AF067817, AF118887, AF118886, AF067816, AF140280, and AF035442.
HOSED43	231	990184	1 - 796	15 - 810	BE293450, AI416985, BG259922, BE250091, BE409947, AW976132, AA127077, BG036566, AW006165, BG255815, BE267475, AW403861, AW408474, R47317, BF878882, AA074323, AW842660, BF825561, BF879325, AA806524, AI037897, BF932189, AU156313, BE788042, AW752809, AW752712, AI753037, AA602557, AU156024, AA127078, BE245636, AK001851, AK023509, AI137818, AL356108, AL023755, and AK022251.
HNODF50	232	990254	1 - 1305	15 - 1319	AL517211, AL518669, AL518668, AL522147, AL521219, AL525965, AL521218, AL517210, AL526016, AL529841, BF310468, BE260926, BF528453, BF792486, BF968614, BE727867, BF969532, BE741455, BF968373, BG254612, BF206651, BE780582, BF315676, BE314740, BE778351, BF337363, AI052120, AU127936, BF967743, BG256216, BE794943, BE543980, BF037565, BE906194, BE778878, BF980637, BE618222, BE385237, BE907648, AI564007, BE250963, BE786495, BG036398, BE251987, AI539865, BE786563, BE264208, BE538552, BF239260, BE878498, BG118091, AW674383, BF313845, AW948987, BF669238, BF528446, BF125038, AW054769, BE262248, BE545571, AI921598, AA492511, AA587938, AI857898, AA633515, BF027253, BE697365, BF925551, AW341500, BF954735, BF977183, AI745475, BF954757, BE260934, AA769361, AA599303, AW956994, AI286245, AI274299, AW666003, AW958317, BE252135, AI252682, BE877011, AI382161, AI076260, BE618764, AI127273, AW190900, AA514755, AU150315, AW939258, AI906279, W73289, AA503533, BE777951, BF093632, BE163339, AW236251, BE266670, AW872807, AA653758, AA612989, AI440380, AI469422, AI271745, BF945505, AI873681, BF675437, BE967460, AA572935, AI910865, W73234, AW241946, AA804790, AI356494, AW674551, BG023980, AI208194, BE745501, BF528373, AI690448, BF724593, AW103110, BF994022, BF993923, BF991645, BF993922, BE972246, BF994018, AA806069, AA834818, AA305461, N30688, BF312335, AI289450, AW794720, AW794703, AA305936, BF993929, AA311372, BF677595, AA305330, F37016, BF993927, AW878217, AA654459, BF991629, AI215967, AA772577, H45301, BF803635, AW086134, BF994329, BF994316, H45074, R48780, H18284, BF994322, R78818, AA040670, W31677, AA708219, AA148170, AW340499, AW183355, BF993333, AW082264, BF993925,

HLWBV17	233	990255	1 - 684	15 - 698	<p>BF991324, R4885, AA854391, BE743249, BF572574, BF993909, F22269, H11318, BE816818, A1919387, BE929439, AA293184, BF993998, AW601441, AA551484, AI215973, AA040571, BE074790, AI684072, F25626, AA225507, BF229895, H45378, C00180, BF994312, W32101, U46271, C03223, A1918341, AA356495, T99316, AA371678, AI342719, AA300944, BF344854, BF446856, AA364820, AI871791, BF993916, BE769414, BF331401, H45041, AI206745, BF856284, BF993912, BF332671, AW268821, BE185060, BF856295, AW082610, BE766240, AW939875, N41296, AA143767, R73522, AA330825, BF572595, AW407942, AA293185, AW198148, AW885160, BE155766, BF737069, AW381772, AA810809, BE173861, BF570667, BF755706, AW582513, BE828404, AW843210, AA458493, BE155779, AA904696, BF743412, AW748144, AI139866, AI633937, BF572945, AF222742, AR048276, AK001416, AF038958, S45663, AC010527, AF038959, AC009004, AX041002, AX040958, AX040974, AL133655, EI3998, U30290, AL133053, AL133076, AL133084, AL133070, AL049423, AL133051, AL133049, AL122101, AL133607, AL133015, AL133608, AL136975, A90832, AR055519, AF002985, AR015970, AR034821, AX015526, AX030435, AF184110, AL122049, AC024067, AL110171, AB047966, AF126531, Z69719, AC004213, and AA494290.</p> <p>AI539865, AI469422, BG036398, AW958317, AI076260, AA492511, AI382161, AI921598, AA769361, BG118091, AI504007, AI052120, BE385237, BE777951, AI286245, AI252682, AI274299, AW054769, AW341500, BE545571, AI127273, AI857898, AI745475, AI440380, AA514755, AI690448, AI356494, AI271745, BE538552, AA599303, AW666003, AA612989, AI873681, AW872807, AA572935, AA653758, AA503533, AA633515, AI910865, AA587938, W73234, AW241946, AL518668, AW674551, AW190900, N30688, AI208194, AA804790, AU150315, BE907648, BF125038, AW236251, AA834818, AW103110, AI289450, BG256216, BF967743, AI215967, AA806069, AA148170, AA772577, AL525965, AA708219, R48780, AW086134, H45074, H45301, W31677, AA311372, H18284, AA654459, AW183355, AL521218, BE618764, F22269, R4885, BE743249, AA854391, AA040571, AI919387, F37016, H11318, AW948987, AL517210, AI215973, BE074790, AI684072, AA293184, C00180, H45378, AI918341, BF856284, AI871791, BF337363, AI342719, BF331401, BE769414, BF446856, H45041, AI206745, F25626, C03223, AW082610, AL518669, AW198148, AA143767, R73522, AA330825, BF856295, AA293185, AA810809, BE155766, BF570667, AW381772, AW582513, BE155779, AA458493, AL517211, AA551484, BE878498, AA904696, AL521219, AI529841, AI139866, AI633937, AA862050, AL526016, AA552564, U46271, BG150895, AA329184, W73289, AI809413, BF239260, AA664948, BF968373, BF746013, BE876454, AL522147, BE260926, N27632, AA225507, BE727867, BE251987, AW878217, BF968614, BE185060, AW340499, AW082264, AC010527, AF222742, AF038959, AF038958, AR048276, AK001416, and S45663.</p> <p>AW385298, AW834944, AI801294, AL048012, AW385250, AL048318, AI147487,</p>
HOCQH66	234	990435	1 - 3554	15 - 3568	

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			1 - 1875	15 - 1889	AL522719, AL530045, AL526479, AL515639, AL526439, AL515638, AL529665, AL521252, AL527656, BE797221, BE795409, BE798654, BE796334, BG252121, BE277057, AI608756, BE300022, BE513242, AU142632, AU117922, BF527825, BE561443, AU142525, AU122446, BE263145, AW301066, BE260541, BE798136, BE560713, BF527824, BE267445, AL522718, AL527657, AU124297, BF308205, BE877379, BF308460, AU132733, BE255304, BE265023,

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HCDBO02	236	990609	1 - 4074	15 - 4088	AU118049, BF027266, BE897159, BF975497, AI690844, BE619812, AU116976, AI683350, AU123898, AI638817, AI299947, AW851296, BE619491, AW080261, AW003342, BG261217, BE550518, BF435624, BE540593, AW604148, AW604144, AU133706, AA923370, AW604156, AW604159, AI963937, BE903781, AW994444, AI355003, BG251375, BF795838, BE142887, BE898687, BG031003, AW503445, AW769245, BE391639, BG250064, AW593387, BE387364, BE735143, AW390271, BE538744, BE885670, BE885477, BG179338, BE548753, AW117969, AW513655, AI827494, BE281406, BG257886, AW589828, BE537306, AW264359, AU149292, AW604151, BF342540, BF591073, BE901079, AI570870, AA812088, BE166616, AU148669, AI372056, AI339216, AW367000, AI188999, BE148064, AA948067,

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HODGN92	237	990611	1 - 492	15 - 506	AI114709, and BF515175.
HPDRE30	238	990751	1 - 2150	15 - 2164	BE736233, BE393462, BF979620, BG180451, BG031119, BE895899, AW015154, AI367256, BG250616, AW246035, BF589766, AA723883, AI339548, AI148428, AW518892, AI874244, AI339560, AW003788, AI653700, AA777268, AI261244, BE906120, AA847296, AW007179, BE293221, AW173770, AI346957, AI475948, AI143349, T65504, AI814098, R52652, AI339729, H39618, BE545311, F13535, BF980260, AV652617, and AL122073.
HBXFN09	239	990769	1 - 234	15 - 248	AA034059, BG169883, and AW998693.
HDTBO75	240	990913	1 - 455	15 - 469	AV752559, BE041424, AI374803, AV662297, W92499, AA431153, AW977181, BF439568, AA678183, AW834968, AW834907, AW837310, AA885002, BG028110, AA732329, AA732727, BF242398, AA432173, AW176741, AW580372, N55761, BF982207, AW241399, BF224093, AW970314, BF507800, AW970227, AA628895, AA766833, AA534395, N32238, AA347608, AW189247, R49979, N31980, AI650721, AI685214, AW511372, BG257682, BE549817, BG252929, BG167830, BG029667, BG113493, BF795712, AL039390, BF796402, BG261260, BG113712, BG163646, AL046681, BG178532, BG180295, BF968504, BG167093, BG114865, BF345716, BG111831, BF971261, BF965904, BG179586, BG111590, BG036465, BF968622, BG251851, BG165260, BG176936, BG104735, BG108452, BG035330, BF794212,

HELGN26	241	991014	I - 1609	15 - 1623	<p>BG164752, BG033403, BF347093, BG029194, BG176609, BF979998, BF983875, BG249858, BG036550, BG251257, AL046137, BF527274, BG11916, BF792586, BG030750, BG252019, BG181100, BG169376, BG024457, BG166490, BG180788, BG029128, BG261116, BG111100, BG028216, BG122277, BG171463, BF797137, BG119543, BF970425, BG180200, BG251476, BG178146, BF968453, AI249936, BG251076, AL042551, BG259829, BG115045, BG167751, BF797072, BG178879, BG165043, BE783067, BG257535, AA298135, BG120398, BG030516, BG259587, BF527413, BG114012, BG034554, BG180046, BF526526, BG110517, BG252778, BG120046, BG035653, BG110518, BF969185, BG168672, BG171608, BG169249, BG169238, BG106515, BG027368, BF339484, BG114853, BE897632, AW872786, BG171620, BE883591, AL045166, BE464688, AA938721, BG105318, BG116926, BE618455, BG171701, BF981492, BG177541, BE622452, BG168889, AF065391, AK023252, AF013965, AF013966, AF013967, AF065392, AL133076, AL133074, AX040958, AX041002, AX040974, AL133655, U30290, and E13998.</p> <p>BF970582, BF971269, BG035858, BG170653, AA527442, BF032717, BG255093, BF684481, BE304332, BF312957, BE740090, AI651618, AI700966, BE616023, BF439777, BE218172, BG259712, BF223565, AW328638, AW081016, BE312971, BE218745, BE880967, AW965885, AV688930, BF110536, BF223349, BE616836, AI659341, AI492019, BF037137, BG011544, AI801971, AA653440, AI763063, AI362810, AI830364, AA602677, AI799940, AI590301, AA155644, AA132754, AI693639, AI538876, AA935812, AI913180, BE262105, BE220203, AW872403, BF431624, AI478310, BE502628, AI963163, AI049932, AI867018, AI445763, AW328637, AW237634, AI686646, AI093564, BF309857, AI355982, AV692290, AW004960, AW628274, BE676445, AW168151, AI720994, BE501936, BE677346, AI624773, AI038791, AI673720, AA777083, AI241965, AI083640, AW513233, R50466, BF962310, AI990564, AA121215, H30620, AA101514, W67379, AA778130, AW139256, AW514997, BE897897, AI540831, AI824615, R39429, AI291349, AW193446, AA114190, AI241095, AW193788, AW589519, AA132803, AI687589, AA358948, H28151, W31255, AA912622, AW591011, AI538118, AW075509, AW614272, BE349060, AA456143, AA780923, H46616, BF529857, W67264, AW235829, AI686256, AA308514, AI538723, AA706294, N91821, R38344, AI811489, BE833082, AW663952, AI862679, BF856265, AI478217, AW338623, T24735, BF981529, BE242914, BF970481, BE272808, AW953574, AV709660, AV709314, AV727029, AW951768, AV728518, AV696931, AV706417, AV656256, AV703169, AW954237, AV692691, AV708893, AV709390, AV728642, AV686064, AV660728, AV691080, AV661704, AV655280, AV659322, AV708381, AV727935, AV699089, AV706721, AV687035, AV655096, AV707753, AV708025, AV704269, AV726103, AV705280, AV698545, AV729220, AV726816, AV695545, AV701707, AV656283, AV701914, AV705159, AW945168, AV658863, AW955012, AV727787, AV654908, AV652001, AV651955, AV696866, AV725920, AV704234, AV702516, AV709407,</p>
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HODCU15	242	991048	1 - 3173	15 - 3187	BE782829, BE166336, BE893914, BF963846, A1637581, A1635627, BF956699, AW615337, BE892490, AW081066, AA398002, BF246643, BF959925, BF943255, BF352768, AV714386, AA399078, and AC046129.
HOGDI51	243	991268	1 - 962	15 - 976	BE745148, BF314775, BF313468, AW972065, AW160403, AA190647, A1468027, AA732363, A1568476, A1815528, AW015158, BE315222, AW958765, AA725374, BF446080, AA668784, BF313148, AA058590, BE741366, BE261839, AA021327, H92735, AA627547, H96373, H85956, BE843878, BF058863, AA973647, AA018467, A1240617, AA383496, AW439263, A1925892, AW162022, BE694410, A1739208, BE694382, A1336026, AL044942, and AF007872.
HLWAF02	244	991516	1 - 569	15 - 583	AA421538, AL525449, AU153711, AW964455, AW964457, AU148695, AU149818, AU147714, W72446, A1004165, AU159170, AU151493, W31068, AW874565, AA295338, AW269624, AA577265, BF764205, AW732171, AV702593, A1863050, AW003851, A1190446, BF843436, AA417216, AA483528, W74385, AW748748, AA318970, BE795181, AA872030, W76345, H26877, AW384040, AW517019, AW884747, A1469697, A1370275, BF892944, A1017646, AV690726, AL036104, H99624, AV689538, AV698770, AV691815, A1421770, BF591512, R94006, BE782006, AV689959, BE169392, AV689985, AV689953, AF004539, Z41369, F09802, AK023231, AK001371, AK026645, AB040885, and AK023160.
HRKPA16	245	991654	1 - 625	15 - 639	BG259737, AW194396, AA143418, AA404619, A1608754, AU154417, A1374988, N63618, AU149063, AU152646, AW966669, AU152215, A1038547, AA443610, A1690852, AA427421, AW339887, W60354, W59988, AW118447, AA349493, A1445343, AA461548, AW993204, AL121201, AA946641, H59011, A1014721, R98999, AW103224, AU157188, A1357842, AA927255, AA843235, BE467545, T64658, AA887129, AA354545, A1811399, AW072161, H21841, AA805567, H88125, H49591, A1279415, BF912456, A1621314, AW593607, AU148527, AU157952, AA665881, AW468541, BF947706, BF084343, T24715, AW406139, H88124, BE174405, AA640305, AW021674, BF914416, A1754257, AA493464, A1572680, AA610644, AW051097, BF747303, BE328286, AA177130, AV651424, AA493245,

AA633804, BF947959, AA100107, AA676462, BF084979, AA846944, BF679568, AA579417, AW875184, BG059139, BF932382, AA730530, AW962268, AV683406, AI308529, H37968, AA425283, AW847028, AA338474, AA834891, AW975434, AW501278, AI567676, AW793601, T57562, BF541501, BE974200, AA493808, AA657808, AI344906, AI318548, BF736912, AI570067, AA179364, BE244722, BE063646, AA663579, AI376687, AA492496, BG152612, AW963625, BE158554, AA584360, AI702049, AV717475, AA847341, F04635, AA604601, AA482682, AA578711, AV753446, AW238242, AI831312, BG059924, AA935827, AV652066, AI445699, AI312267, AI242236, AI174703, AW963552, N49298, AW576221, AA772493, AW963295, BF823660, AI354377, AA639040, BE139230, AA129000, AI251460, AV740548, AA524604, AA610784, AI459794, AA313025, AW192002, AA320106, R92703, AI744199, AW069110, AA587835, AA502130, R92804, AI798573, AA493546, AI538404, AV712092, AA669225, AV763460, AI499538, AI631299, AA632355, AU146789, BG180320, AI547110, AW275585, AI121039, F01616, C15966, AW339694, D38524, Z96810, L47222, AC004019, AC007666, AC000052, AI132659, AC006166, Z96182, AC005730, AB023051, AC004650, AC010463, AI035460, AP000512, L47229, AC003090, U66062, AC003999, AJ271735, AB020873, AC002351, AC009516, AC006511, AC006315, AC005393, AP001712, AC002996, AC004975, AC007746, AC005399, AC005005, AC004213, AJ251973, AC005325, AC016683, AI138756, U91326, L47227, Z73979, AC004031, AC003014, AB035195, AC005666, AL049646, AF205588, D34619, AF207550, AC011296, AP000691, AC005000, AL356299, AC008720, AC005755, AL022723, U50871, Z97183, Z69721, AC011482, AL121967, L47225, AC007272, AC008521, AL139286, AC000388, AL157760, AC011444, AK000385, AC004953, Z69366, AL031427, AP000692, AL163301, AL138836, AC018751, AC004825, AL109798, AC008812, AL333807, AL079341, AC005911, AL122015, AC004686, L81692, AJ246003, AC007632, AC008738, AL139182, AL133163, UI5422, AB046832, AL035690, AC002544, AC003665, AL132866, AC002357, AC002465, AC011811, AL136441, AP000280, AC004821, AL356747, AP001725, AC011480, AC010605, AP000694, L47224, AL096814, AL117374, Z81450, AC005071, AC004652, AP000107, AP000039, Z69375, AC005899, AC005202, AP001741, AL133342, AB032485, AL035587, Z95116, AL365505, AC005856, AC005052, AC005280, AL139343, AL022336, AC011462, AL050349, AC005837, AK024314, AL121886, AL138743, AC024082, AL031311, AF196779, AL031296, AL157789, AL022726, AL050328, AC009362, AP000553, AC004254, AL109758, AL138823, AC007510, AB039887, AC010524, AP000361, AC005228, AL008634, AC004893, AC005253, AL360157, AC006468, AC006942, AC006162, AL031666, AC005529, AL033529, Z97985, Z93023, AC006261, AL008716, AC005375, AC003098, AC004882, AC009228, AC005618, U78027, AL031657, AP001715, AL357992, AF045555, AC005519, AC018719, AL138832, AC008403, AL138733, AC006079, AL009181, AF111169, AC008739, AP001629, AC003046, AL035422, AC005410, AC018633, AC004386, AC020552, U07563, AL008734, AL096840,				
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HPDQX94	246	991761	1 - 776	15 - 790		AU133068, BG109770, BE791999, BE260010, BE909913, AW195742, AV707197, BE312976, AV703890, AI088522, AW188226, BE393159, AA122237, AV751642, AA443448, W73858, AI741099, BE857070, AA724376, BE887952, AI421427, AA932230, BE073185, AI357586, BE512839, AI016288, AA115940, BF315243, N41317, AI423297, BF196664, AA843244, AI188255, AA770683, AU154475, AA913450, W73826, AI138932, N90753, AI913753, AI038148, AI127837, AI088260, AA781597, AI144232, AI363463, AA854712, AA825530, AA443313, BF239385, AI095110, W20418, W58687, W69502, AI028327, W73528, AI803249, H59104, AA933860, AA970638, BF680721, AV748822, AI128705, AA452952, W58686, AA582641, AI033287, AW263159, AV702086, H77347, AA286910, BG110576, AI301156, AV739424, AW993977, AA977957, AA825142, AW958007, AV744630, H49907, AI424203, H59143, H99044, AA971511, AA863091, AA296811, H77348, N92641, AI127018, H92900, AA884884, N30701, F30810, AA296822, AI219594, AA885566, AA962759, W73474, BF926138, BF681033, W69503, W93965, AI698882, AV750055, AA296691, W39151, AA883845, W93999, AA612823, F16300, AA565275, BF752259, BF087615, BF899291, AI884303, U77604, and I84662.
HEAAY09	247	992678	1 - 391	15 - 405		AU124283, BF306200, AU139037, T77235, AU121920, R14830, BF934985, AW403909, AW630865, AA359207, AI929350, BE552049, AU118152, AU133500, AL037780, AL037781, AW163588, AU119533, AL533231, AI342324, AL525586, AL534903, AL532560, BE082428, AL533180, AU137962, AL533149, BF307401, AW394232, BG114142, AU133890, AL517501, AW160514, AL536801, AI929125, AU126141, AU139293, AW368666, AU133708, R99660, AL532677, BE612412, AL513758, BE299128, AU135050, BE742584, AU129935, AI309542, BE886331, AW163176, BF346813, BF220002, BE512694, BF361085, AU134988, AW842087, AW842088, AW842086, BE541071, BF528575, AA178907, BG178536, BF340570, BE891863, BF091880, BG109816, BE410513, AU140111, BF346953, AI201385, AA781408, BE894297, AU127156, BF16594, AU134195, BE528479, AA398237, AA403177, AA347489, BE897187, AA634306, BE873260, BG257621, BE891934, BF037637, BE796323, AL047517, BE890489, AA668405, BE544513, BF311830, BF529750, BE548934, BE314356, BF527194, AI018415, BE544804, AA192090, BF345146, BE539195, BE896937, AL037971, H79173, AA191007, AA160986, BF343228, AL036607, T96350, AI191902, AW246288, BE149595,

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HPDRH78	248	992780	1 - 1583	15 - 1597	<p>AL517707, AL526969, AL534602, AL517706, BE793392, BE793400, BE798802, BE274603, BE793463, BG179834, BE796319, BE730416, BE799085, BE622275, BE797197, BE895295, BF684516, BG180391, AA313808, BF128627, BE902688, BF974046, BF309165, BF035424, BE542126, BE378892, BE279546, BE389149, BE264217, BE746282, BF980789, BE792649, AA143543, BE390945, BF939857, AA247475, BE254943, BF087367, AW602074, AA143677, AA669128, A1619455, A1885489, AW674128, T66216, AV653122, AW771167, AW673887, AW952242, W17242, AA465232, AA662828, AW156961, A1423378, C14781, AA847816, A1082555, AA064998, A1699796, A1654002, A1400301, AA976430, AA847635, BF129286, A1357386, A1371760, AA838647, AA465587, AA046948, AW083621, BE149761, A1252222, A1572527, AA907174, BF858322, AW247996, AA065085, AA366802, A1927121, AA366778, AW006612, AA001409, AL534601, BE859074, F12200, BF973830, AW904428, N89759, A1648415, BF090228, AA373821, BE936261, A1752839, AA610398, A1889695, R22510, AA383297, R22509, A1445855, D81188, D81094, C14780, F01851, D81093, AW472987, BF843018, AL037280, AW818769, A1801700, BE503553, H85986, A1251103, AW273610, F09830, AA321564, Z42323, D20815, BF747217, AA027150, BF746814, R12421, H71469, AA988870, AA835430, A1264946, T66149, AW839241, H86346, AA579666, BE538136, AV660656, AX011690, AF282851, AK000474, AP001714, AP000037, AP000105, AP000275, and AL355729.</p>
HLMHG68	249	992900	1 - 1331	15 - 1345	<p>BF967276, BF967822, BE675848, A1693547, AA398062, AW044341, AW117949, AW468685, A1801370, AA890730, AA778640, AW001899, AA456064, A1434131, BF508778, BE833021, AU145029, A1033982, A1826270, BG026214, AA455567, AA652457, BF108431, A1458156, AA918511, AA515452, AA631567, AA687760, AA573416, BE045477, F22701, BE546175, AA292780, AA477424, A1699125, AW770290, AA310438, AW884291, AA640186, AA290862, BE774653, A1686681, AA479585, BE881951, AA394172, A1394051, BF361999, AA291044, AA150391, BF855032, A1816954, BF737256, AA291855, BF869437, AA291733, BG259202, AL044192, AA768725, A1366983, A1701948, BF915315, A1926593, AW102900, A1345746, A1537516, AW079768, A1632981, A1608802, A1597805, A1636788, AA830821, A1050666, BF816031, A1923279, BF817746, A1951222, BF921215, BF913569, BF914101, BE393551, BE315058, AW083804, BF913568, AW129269, AW265004, A1699154, A1702540, N74355, BF305318, BE613727, BE966355, BF913615, AW301406, A1718161, A1923272,</p>

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HODFO57	250.	992973	1 - 2135	15 - 2149	AL521538, AU125521, BF793744, BG258951, BE796240, AU129772, BG256358, AW134800, BE253092, BE539282, BF822222, BE676509, AI884675, AI356274, AU159541, AI922366, BE676139, BF154835, AA522887, AI983195, AI652380, AA614362, AW193792, AI093421, AW474923, AA236204, BE939312, BE675234, AA131740, AL045292, BF478117, AU149161, AA781085, BE674720, AW514745, AI417244, AI093127, AW379958, AI276637, AA131671, BE252897, AW590126, AW379963, AW205128, AI289900, W28544, AA775698, BF589820, AW513803, BE257415, AA559118, AW571703, AI570252, AW630205, W56287, AW150930, BF746091, AI873877, AI813283, AI873584, BE939111, AW379959, AA256931, W20295,

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HOCpz44	251	993380	1 - 970	15 - 984	BF308448, AV733716, BF667373, BF971945, BE791557, BF207166, BF685157, BF680048, BE730232, BE744787, BE257947, BF684668, BF686755, BE795339, BF032897, BG115810, BF037117, BE796212, BE512992, BF694324, BF037939, BF244980, BE793024, BF975403, AV744973, AA196804, BF733159, AA074869, AV701912, AW964407, AA308585, AI201081, W31092, AI911189, AA187442, AI332998, AA449114, AA196803, AA677398, AA652508, AI832556, AI360813, AI479643, AI371725, AI949595, AI523836, AI338226, AA583945, AI160821, AA812681, AI955259, AI272799, BE786863, AA463761, AA133351, AW105647, AI687745, AA471119, AA417906, AV756337, AI028708, AA779378, AA806308, AA719870, AI804084, AA628636, AA713507, AI076158, AA758900, AI242445, AI738876, AA513306, AI081646, AA593880, AA478598, AI192864, AI084956, AA312835, BE163110, AI189240, AI401016, AA419554, AA229993, AV709297, AI871846, AA620875, AA468096, W42538, AI094068, AA357299, AI188600, AI274502, AV742900, AI187079, BE385728, AI243176, AI284416, AA657626, AA962082, AA479333, AA463687, BF309104, AI224529, F19538, AA468083, AA468047, BE559524, AA234166, AA234913, AI804825, AA318716, AA987467, AA318396, AW795107, AA449548, AI127473, AA234914, BE717214, AA233918, AI147167, AA721050, AA469001, BE281458, AI476030, AA482379, AA385197, W42473, AW873836, AA091369, AW844269, AA383017, AW844282, AI253673, BE698022, AA969703, AW300509, BE698050, AI220722, BF819540, N44134, AI003540, BE833240, BF374556, AA468927, AA720885, AI186421, AA872664, AA366125, BE549139, BF027226, AW794203, AA906776, AW403920, AA833536, AA887208, AL079619, AA187616, BF104085, AI371742, BF675494, Z20217, AW602656, AC006064, AF151075, AP001631, AP001748, AP002085, and A74500.
HPAMU38	252	993403	1 - 2925	15 - 2939	AL524221, BF974727, BE905660, BE906439, BF972299, BF339849, BF971432, BE871633, BG258581, BG027617, BG027987, AL043542, BE262313, BE547005, AW964993, BF129017, BE894197, BE859070, BG106537, BF304618, AA812224, BE882690, BF109975, BF541992, AI075752, BE735522, BF950143, AW408171, BG058798, N32170, AA861404, BF343941, AI859140, AA630418, AI524267, AI888719, AL043543, AI571362, BF972284, BF111665,

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HNGGK47	253	993602	1 - 686	15 - 700	<p>AA587109, AW813774, AW959611, AA149541, AI184943, AA283852, AA915990, AI754552, BE146143, BE146078, AA192458, AI276859, BF058388, AW968813, N25247, AA179831, R50526, BE906097, BE748870, AA489709, BF058508, BG001227, AA600248, AA149622, R50552, AI831786, H60862, BE748864, AA159263, AA912651, AV704542, AI360851, AI094704, AA151772, AA088441, AA130533, AI732442, AA130457, AA115727, AA132985, AA156548, AA100473, AA156552, AA133314, AA146791, AA115406, AA085900, AA506505, H30250, AA130431, AV705967, R50721, AA156558, AA593788, AA134890, AA160532, AA115791, AA056456, AI732411, AI144451, AW975853, AA837803, AI732210, AI732209, AA527289, BE145948, N43184, AA216639, AA233457, AA055823, AI535936, AI242047, BE146358, BG255562, AW817478, AA418333, AI264351, AI274932, Z99365, AA132266, AA155720, BE675378, H69025, AA483160, AA484178, AI685396, AI479610, AA152342, AA890486, BE146091, R78417, AA219599, AA223178, AI052113, AA100721, AA703512, AA213692, AA627379, R98355, AW593679, AA102795, AA227040, AW341960, H38219, T53321, W28465, AI762542, AA052890, AA242847, AA252138, AA134470, AA099427, AA129454, AA135403, AA102232, AA135390, AA689437, AA173762, AW129244, AW007800, AI017153, AA227186, AA548735, AA308744, AA223472, AA772499, AW854595, AA962219, AI636602, AI700160, H51291, AA055663, AA984688, AA100673, AA143593, AA528777, AA838754, AA434477, BE748279, AI949977, BF673870, AI280212, BG013985, AW969910, N66779, W25636, AW025824, AA424412, AI743039, AA135407, AW966820, BE741129, AI285813, AA405703, AA832265, AA157818, AA219559, BF816863, AA424458, AA936323, AA196784, AW967555, N71300, AW962131, AI820789,</p>

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HODGN51	254	993754	1 - 648	15 - 662	AI207402, AW983839, AW983779, BE267153, AF074693, AL157598, AW813858, BE393346, BE142616, AW819892, AW819887, BE161913, BE179562, BF343443, BE062392, BE143181, BE069054, BG104743, AW820198, AL157534, AW847202, BF686579, AW811905,

AL118852, AU149172, AA128858, AI114529, AU122382, AW983740, AI920994, AW852539, AW811815, AV711736, AU121228, BF082163, AW893700, BE065237, BE155635, AW938300, AW811963, BE065599, BF839073, BE065597, BF980482, BF344952, BE728951, AL532687, AW847178, W03511, AA579202, AW862582, BE549207, AW895657, AW962193, AW811877, AW811885, AL119839, AA736433, AL079961, AV730967, AL044792, AW854552, AL086283, BF918604, BE047760, AW887035, AW937815, AA808968, BE780820, AV682071, BE408894, AW855467, BE781027, T07197, AA129985, BF876571, AW902213, AW834551, BE245825, AA018943, AW861625, AW811646, H82488, AW105462, AV722355, BF881870, AW834553, AC006399, AL034412, AC004029, AC005137, AL080239, AL022401, AC005068, AP001960, AC018468, AC004103, AL133370, AL449163, AP002027, AL139009, AL163278, AJ229041, AP001724, AC006222, AL049844, AC007282, AL163284, AL121867, AL356913, AF036876, AF003625, AL133417, AL137157, AC009241, Z95126, AC002067, Z99572, AC008912, AP001669, AC004478, AF274857, Z99289, AC004388, AL354653, X87344, AC005999, AP000127, AP000205, AC002367, AC005491, AL096827, AF241733, AC016831, AL445189, AC009949, AL132827, AC002071, AC024153, Z97198, AL049792, AC006484, AC020755, AL135926, AC010719, AL022578, AC026197, AC003091, AC004994, AL121757, AP001709, AC007313, AC004911, AC003081, AL049778, AL133247, AL109759, AL132668, AL117340, AL049176, AL391294, AC020637, AL135922, AC010235, AC005018, AC006249, U96409, AC004128, Z83848, AL360270, AL117347, AC011362, AL096829, AP002026, AC006054, AC008509, AL009176, AL049823, AL360174, AL157375, AP001331, Z95325, AC005588, Z83850, AL355530, AC010198, AL391689, AC005352, AC005823, AP002532, AL049838, AP001760, AL049565, AL035246, AL121986, AB014085, AC006313, AL049875, AL035423, AL117191, AL009028, AL034370, AC004187, AL445306, AL050308, AC008583, AC007731, AL136372, AL079303, AL133241, AC005500, AL021069, AC009404, AL163280, AF055066, AL022399, AL031074, AL354977, AL157837, AP000515, AC007514, AL137016, AC009514, AL121882, AC010685, AC006478, AC011890, AL122003, AL354685, AL135786, AL022100, Z83745, AL109934, AF110324, AB045358, AL356513, AC004852, Z98753, AL157413, AC007364, AL354750, AC003106, AC087085, AL031965, AC009505, AC012000, AC005873, AC023510, AC009508, AL356473, AC018513, AL390237, AC008770, AC025614, AL031054, AL135960, AL131016, Z70050, AC007878, AC010436, AL022727, AL355836, AC026341, AC007444, AC009229, AP001708, AC005019, AL158157, AL034410, AC008833, AC006327, AL137015, AC005303, AL161804, AL157779, L78810, AC005539, AC007751, AC006287, AC004973, AL034406, AL121958, AL137061, AC009430, AF235098, AL049794, AC005024, AC024067, AC000110, AL445249, AC020603, AL121880, AC073165, AC004043, AL356799, AL133226, AL136297, AL161905, AF003530, AC000049, AC013447, Z82210, AC008177, AL035427, AC007528, AL022400, AC022274, AL118496, AP000493, Z98255, AL360157, AL359715, AC002523, AC002468, AL139093, AC002426, AC078854,

					AC004470, AL118505, AC034242, AC009313, AC008462, AC020717, AL163152, AL391666, and AC005739.
HODCT60	255	993806	1 - 673	15 - 687	BG150704.
HAQBV81	256	993918	1 - 813	15 - 827	T68150, AA664288, AA113062, AL045561, H63748, BE350958, BF821840, AA190633, BG120327, BF994701, AW582857, and AW582794.
HDTGF49	257	993931	1 - 1643	15 - 1657	BF516217, AV732160, R83419, BG255616, BE171964, F27801, BG253577, AW474317, BE162826, AV755592, and AK002081.
HOGBN62	258	994134	1 - 642	15 - 656	W68274, AI073484, BE543503, AL524870, AL528375, AL524871, AL529901, AL528409, AA528652, T58395, T58350, AL242994, AL048969, AA713712, BE154526, BE154518, BG111530, AA569631, AA484658, AW275432, AI269832, H90845, AW263396, AI523991, F13773, W03981, AA129133, BE154459, AA526426, AW855982, BE158756, BE158799, AA988320, AI768952, AA348511, AA569586, AW885762, AA224238, AA489571, BF876739, BF877700, AA283455, BF877694, AA934825, AW974136, BF978936, BG058309, AA210951, AW833189, BF977345, BE154446, AA069473, AW238386, AL111736, BE154584, BE154524, AA368073, AA599710, AA368633, AI369977, AA708889, AL134280, AA557764, AA372884, BE19742, AW438765, BF992129, BE739174, AA664942, BF810146, F00818, AW817905, BF244176, AA714276, BG006133, AI819525, AA720531, AA908331, AI378950, AA601237, AA910680, AW387775, BE179910, AW387778, AW572140, BF978162, AI500563, AA411171, BF691653, AW769859, AI354388, BF833448, AA635135, AW510403, AW473996, BE961047, AW409710, AV739833, AI690379, AV695910, AW410354, BF212465, BE870750, BF571687, BF978010, BF691393, F01694, BE777501, BF977222, BF978508, BF691774, BF211406, BF238352, BF979045, BF690603, BE961172, BF692655, BF572980, BF184128, BF571004, BF184981, BF692099, BE777568, BF692045, AA581352, AW820694, BG110818, AA993041, AA584133, AA594072, AA599115, AA599143, T50205, F00112, T84169, BE888068, AA828062, BE147527, AA669985, AA297199, BF762987, AW087537, BF213033, W02403, AI870453, AI919048, H70469, AA719201, AI831171, AA381216, AA101744, AA744084, BF676352, AA512999, T87481, F29968, BE002881, AJ230815, BF803608, BE154517, AA745459, BF921846, AA744068, AA745533, R51854, AV694805, AW272389, AA745393, AA477103, AA639040, BF957365, BF915592, N58546, D29424, AI869406, AA985240, AW004922, BF831769, AL048090, AW192199, AW571499, T50255, BE886807, BE302658, AW439867, AA584814, BF917819, AI984742, BF879039, AA568127, H60396, AI635245, AL039669, AA525753, AA569474, AW387786, AC022392, AL359339, AK023436, AX048077, AF132952, AC005154, AC002449, AC011290, AL031985, AL008628, Z70289, AL161938, AC012099, AC006028, AC006578, AC005520, AF196969, AC007487, AL031575, AL109843, AL030996, AC004914, AC005697, AC010582, AL159985, AL035405, U95739, AL161670, AC004980, AC005831, AC000120, AC078899, AP001409, AF008243, AP001417, AP000160, AP000018, AC005899, AP001635, AL033543, AC009312,

					AC004031, U78027, U80460, AL035422, AL353804, AL133448, AC004084, AC006345, AL050318, AL121981, AL121753, AL359954, AL022333, AP000317, AP000119, AP000051, AP000166, AL355515, AL354872, AL008720, AL022401, AP001719, AL354680, AL162742, AL109743, AP000337, AL023694, AC020916, M89651, Z84486, AL031774, AC007560, AL035689, AL034380, AL121749, AL158198, AC006040, AC005701, AE000661, AC007421, AC008115, AL049851, AC005620, Z82178, AL031293, AL121969, AC008897, Z82214, AC005968, AC009247, AC083864, AL136131, AC005618, AL079352, AL365475, AC002365, AF064861, A58551, U00921, AL356414, Y14768, AL136228, AC004596, AP000505, AC002090, AF129756, AL445590, AP001055, AL441887, AP000252, AL008725, AP000030, AP000212, AP000134, AC021752, AC006509, AL118510, AL033521, AC007993, AL133229, AC009194, AC008733, AP001711, AL035652, AP000348, AC008599, AC010363, AC004593, AC024561, Z99716, AC002991, AL035682, AC006009, AC022428, AC007129, AC004991, AC003007, AC000025, AC004033, AC005913, AC005527, AL008627, AC008753, AL049712, AL031847, AL359846, AC007731, AC005500, AC005632, AL355497, AC005529, AL137475, Z98882, AC011523, AP000279, AC005156, AC004775, AC010605, AP000289, AP000038, AP000106, AP000042, AP000110, AL136166, AC003012, AL121829, AC006502, AL078594, AC020908, AL109758, AC007383, AL133246, AF243527, AC007344, AL163279, AL137230, AC000115, AC004693, Z82246, AC010129, AC004211, AP000496, AL031729, AL135786, AC018712, U85195, AC002369, AL050325, U75285, AL035046, AL049822, AL357560, AC006505, Z49237, AC011521, Z82248, AD000091, AC005523, U81031, AC000028, AP000228, AC004950, AC005841, AP000140, AC005228, AL096763, AC022143, AC002074, AC008162, AC010305, Z97632, AL133517, AC008623, Z97054, AC010627, AC004056, AC010491, AC078833, AL021398, AL109925, AC003682, AC004112, AL035070, AC010620, AC008747, AP000088, AC005531, AL135924, AC009225, AP000555, AC019172, AC005084, AF111169, AC023481, AL049776, AC009086, AC007450, AC006449, AP001694, AL136081, AL390039, AF208488, AF111167, AE000658, AL359433, AL035494, AL121833, and AL117381.
HSKGR42	259	994234	1 - 536	15 - 550	BF665644, BE617899, AW975289, AW370221, BF700281, AU154495, BF334387, AW673900, AA648105, AA186588, AV758959, AI858160, BF088091, BF694157, AA659697, BF131572, AA134338, AI914719, BG117553, N71529, AU155727, AA120820, AW363311, N22162, BE617450, BF155707, BE168417, BE879249, AU128878, AW996843, BG261212, AW576295, AW268074, AI343171, AI311237, AI335437, AI344929, AW274348, AI336661, BF239659, BF082539, BF438758, AI741448, BF108773, W73136, BE005344, BF829286, W73116, AI251367, AK000741, AK001701, AK001452, AK023438, and AF086334.
HOEBQ85	260	994356	1 - 1053	15 - 1067	BF980115, AI056683, AW071598, AA393981, BE350760, BF508825, AA053954, BE048405, AA397906, AI336420, AI022052, BE253405, AA007404, AI090549, AI147131, AI298335, N69649, AW627842, AA723269, AI671126, AL043975, W58502, AI051785, AI670024,

					AA639760, AL043976, BE410449, BE220726, BE728986, AW628468, AA707486, BE141443, AA034435, BE141442, AW386728, AL040334, BE304515, BE302700, BE304702, BE408918, BG165005, AA478114, AK024475, AL117435, and N71204.
HOPJG01	261	994536	1 - 1376	15 - 1390	BE793580, BF966696, AL527978, AU142696, BG112976, BF038095, BF339980, BF346274, BF525737, BF343070, BE796871, AI660492, BE795029, BE740676, BF338457, BF342629, AW157045, AU142854, BE779472, BE791809, BF348176, BF340334, BG108431, BF341150, BE963752, BF337746, BF528606, BE799928, BE251212, BE795188, AU142971, AU123853, AA608630, BE799766, BF984658, BE793148, BG178895, AU142368, AU142683, BF313309, BF435460, BG026841, BF680862, AW163707, A1929171, BE293477, BE799635, BE871928, BE207262, AW276503, BE382663, BG056162, BF205980, AI858505, BF311248, AW250342, BG035351, AU119034, AI573104, AU132674, AW247120, BG056369, BE207051, AI566557, AA126454, BE293760, BF340125, BF343144, AU143052, BF341561, AA194148, BF206123, BE206913, BF317056, BE907374, BE249879, AA582085, BE907893, BF310434, AI887640, AW615498, AW245039, BE260787, BE618820, AI880285, BE791120, AI859252, BF526752, AU123414, BE464593, AA778344, BF316388, BE253881, AW157606, BG059864, AI418820, BF434994, AI360942, BE788830, AI097502, BE798646, AA770622, BF337854, AW087978, AI921292, BE348883, BE546108, AW732146, AI653881, BG059738, AI023190, BE792435, AA194087, AA595219, AI025155, AU159706, AI085502, AA911630, AA744512, BE973865, AA534937, AA743675, BE262210, AI421284, AA581421, BE345834, AA604154, AA609450, AU145465, BE206914, AW163012, AU160213, AA552532, AU129356, AI929749, AA541593, AI363424, AA434310, AA069319, AI359872, AA968682, AA526861, AU160054, BE312609, AA621196, AW328427, AW384946, AA565664, AI460077, AI929377, AV709913, AA100233, AW163104, AI083875, AI344608, AA682988, AW072500, AI241695, AI366155, AA931506, BF344959, AI340434, AI927283, BF568570, AW248160, BF344603, AA011195, AI459660, AA689477, AI342248, BE858289, AA132540, BF966506, BF958070, AI298268, BE253399, AA635801, AW751546, AA995595, BE390802, AI089995, BF725281, AI282676, AW604964, AI719470, AA583085, AA593293, BF315079, AA729139, AA069373, AI940441, D54574, AW384914, BE671540, AA340245, AW848886, AI003397, D54696, AA156911, AI312413, AA427771, AI167483, BF822526, AI334066, AA130945, AI758341, AI348853, AI701237, BG056893, D55009, AW578066, W07297, AW604991, BE617959, AI869294, AA854599, W27359, BF057992, BF718433, BF718300, AI184838, AA814125, AA088243, AA984724, W32696, AA856797, AA397722, AI858542, BF951374, AA811595, AI266757, BF945422, W32697, AA975437, AA508200, AA156608, AI135907, AI051113, AA017372, AW604994, AA641157, BF945444, BF945443, AA903069, H49325, AI345697, BE252817, AI056127, AW374724, I47647, M16364, M16451, AR084972, M1306, M13453, M14400, M57664, M74147, M74148, X15334, M18668, M74149, K02831, M11660, AF120106, M10012, X00954, AF274307, X53859, AC005781, AC007225, M60806, X96403, M21243, X96402, M21242,

					<p>M21237, M22355, AF018084, M21240, M21238, M21239, M21241, M21491, M22356, AF207866, R14011, R41340, R51208, H14148, H16207, H16512, H16655, H18442, H18550, H20533, H46927, H46928, R82967, R99124, H49324, H83313, H83312, H83484, H83485, H96118, N40532, N47865, N51127, N74303, N78614, W04673, W05212, W21084, W31774, W96361, AA015650, AA015651, AA015936, AA017373, AA100232, AA100627, AA120928, AA133581, AA133703, AA130769, AA132663, AA132970, AA151777, AA149785, AA156941, AA235637, AA470436, AA507320, AA524876, AA533870, AA548911, AA552182, AA555270, AA586384, AA614776, AA580039, AA665143, AA689534, AA894557, AA962474, AA983703, AA989414, W22984, W27471, C03620, AA205651, AA670322, Z19622, F22810, AA679110, AA704375, AA708228, AA719642, AA757448, AA846887, AA846886, AA860613, A1003317, A1003680, F04008, F07760, AA702641, A1309946, A1345327, A1349187, A1345761, A1199481, A1130751, A1148054, A1190828, A1201601, A1313484, A1682167, A1796604, A1914787, A1984300, AW191863, and AW339775.</p>
HKBAK06	262	994596	1 - 655	15 - 669	<p>AA292552, BE569091, AA001348, BG034403, BF680183, BF982202, BF972408, AU134714, BG255510, BF038517, BE382500, BG117853, BE267636, AU133407, AA082436, BE780204, BE535736, W44552, AU122890, BF204311, BF972973, AA081745, BF026531, AU127144, BG029609, BE904738, AU122938, BF242872, BF309946, AW960304, BE297387, BE883368, BE261919, BF033958, BE897037, BF212585, AA158070, BE569085, AA292753, AA476873, BE884804, BE269819, BE900753, BE314366, BE786840, BF035084, BF726787, AA926959, AA177048, A1719075, BE279271, BE778624, AA469909, N49786, BE706261, BE972278, AV685130, AV713469, AV714168, AV687846, BF246905, AU126674, H77575, R97470, AA037172, BG104737, AA908783, AV714475, A1935150, AA926960, W76521, BG249990, BE892033, W04339, AA405677, BE255916, BG104736, A1857576, BG179540, AV698081, R98127, AA293140, AV692796, AW662396, AA910644, AW514667, AA584410, AA889955, AA459522, AV716974, AW371701, AA583187, H78746, AW371667, A1828996, BE903886, A1865147, T55938, R75953, BF910357, W21526, W72395, A1422691, H03265, T77589, H83186, AW069734, AW613002, BE566245, W25243, BG033485, AA872039, AA527373, BF746365, A1423153, AA776920, H72525, R99156, AW104725, H03513, AW024595, AA100926, N31428, AW262230, AA621337, AW972459, A1204630, T88980, BF900364, T29812, H98460, AA772418, BE909377, BF205360, AU154749, AW886710, BF900351, AA662522, AA282997, H42079, W80565, BF507531, W95096, W24270, A1630359, A1459432, A1033892, W25071, A1423513, R54703, A1090262, A1831360, A1312104, A1804532, AA627684, N95210, AA769633, AA617681, W25611, AA416871, A1094597, AW391855, A1139549, AA633648, A1075239, A1339996, A1991988, AA740817, AA701623, N78215, AA129784, AA399239, N86396, A1362835, A1034317, A1336880, H99551, N83673, AA480310, A1989380, AU149836, AA643280, AA932124, AU117372, BF793467, N92892,</p>

HKGCN61	263	994664	1 - 1002	15 - 1016	<p>AI911822, AI085351, BF795654, BF514270, AV748036, AA978045, AI078708, AI146955, AI348243, AA876046, AI085031, AA507454, BE270172, AI494230, AA962596, W44561, AI492600, AI278887, AI041437, AU155591, T99630, W80435, AA765850, W95095, BE893793, BF752229, AA157451, N24127, AI361128, AA910586, AA235549, AI537692, AI346618, H47725, AW589407, BF108854, AW300758, AA459292, AA001979, N59755, AA398727, AI129015, BF792285, AA954344, H75312, X54941, AC005913, AB025409, and AC008473.</p> <p>AI526805, AL532675, BF568818, BF975676, BE378603, BE275224, AI924198, AA643194, AI309624, BF568408, BE908971, BF568499, BE385963, BF971390, BE262270, AI954015, BE389035, BF317394, AI862773, BE384108, BF316998, AW954240, BG255355, BE387330, BF215641, AI300492, AV705042, AI571484, AI708237, BE267988, AA772150, AL526773, AI963066, BE265217, AW583307, BE267984, BF207808, BE885366, AW082898, AI554351, AA905048, BG058692, BE858566, BF431959, BG031824, AW873616, AA484736, AI243757, AI924677, AW304210, AA056581, AW328052, BE386932, AI887613, N52247, AW015277, BF726042, AA037075, AI092433, AW583724, AW070340, AA446995, AI096768, AI039582, AIU143962, AW021398, N39299, BF216019, AA682891, AA897545, AI241411, AA468723, AI027327, AA503806, BF569049, AA834926, AA902862, AW328127, AI091496, BE676690, AI376786, BF337861, R91343, AA448467, AA609074, AI358828, AA651870, AA143139, AA052970, AA911153, AW241215, AW290993, AI804639, AA001193, AW020020, AI024157, AW572581, AI866825, AW016319, BE907946, AW021471, AA805372, AW015233, H82552, AI400288, AA917723, AA938524, AV750655, AI037929, BE088452, AI673478, AA533610, AI290857, AW769953, W67130, R97256, AA904951, AW340505, H22433, AA053447, AI310161, F24749, BE185312, F19447, BE242972, AV746492, F28239, AA365755, H87901, H56065, F31714, AA969644, AI287714, N34577, AV660944, AW328053, R55213, AW028384, AA506078, AI050822, AA843353, AW572594, AA296650, AW884694, AI041792, W67129, AI357504, AA056685, BE677849, T84900, AI915408, AI678129, R55210, AI311793, R97020, AW151468, AI005405, AI393159, T91318, AI798212, AA770285, N91398, T55560, AA143379, BE170083, AA809332, BG010512, AA934707, N45147, AI282846, AA968881, H40291, H18341, BG029457, H38979, AW805564, BE936154, N69370, BF155976, N53131, AI918485, BF155969, BF155973, H87357, BF155972, T25428, BE938005, BF831914, AA588800, AI005569, AA885911, BE242874, BF088463, H56260, AU126287, AA889514, BE702510, BF957306, H22470, AA453054, H46707, BE185337, H39174, D20650, AK000574, AX015413, U47101, AY009128, AK022758, AY009127, AC008119, and AC007793.</p>
HTXDY55	264	994699	1 - 276	15 - 290	<p>BE241618, BF967213, AU136610, BF980823, BG167993, BE904497, BG166879, AA316320, BG108260, BF032916, BE219939, AA429187, AA446365, BE327680, AA121059, AI681670, AW651689, BG028658, AL523554, AI929475, BF210951, AI984608, AW367123, AA262627,</p>

HFOY137	265	994776	1 - 739	15 - 753	<p>BF966433, AF035606, AK001917, and U58773.</p> <p>BG109766, BG105926, BF692516, BF664251, BF688436, BE875390, BG109747, BG035909, BF970556, AW250576, BE900583, BG026679, BE878884, BF794165, BF976452, BE736120, BG031147, BE729357, BE877578, BE795468, BF688232, BE746139, BF245353, BF338554, BF244479, BG036485, BF982066, BF313910, BF036466, BG109842, BF791758, BG034461, BG117069, BF792758, BG114839, BG033722, BE886095, BG171042, BE257620, BF307047, BE735602, BE299813, BF342847, AV701221, BF663327, BE900645, BG251353, BF727139, AV743879, BE874785, BF983850, BG112494, BF793074, BF965863, BF663279, BG036333, AI751041, BE727591, BE889746, BG031486, AV734449, BE544132, BE254377, BG029536, BE270481, BF965283, AL535797, BG107168, BG258064, BE267387, BE872741, BE738044, AV752441, BE270455, BF797372, BF036710, BG113386, BF964816, BE786378, BE879576, BE904807, BG025904, AW014150, BF965061, BE728776, BE883341, BE260961, BF126057, BE907972, BF718407, BE905940, BE905659, BF239138, BF718612, BG122417, BG256185, BE728227, BE312855, BF240138, BF242457, AA642852, BE880883, BF718532, BE538681, AA307553, BE538643, BG029238, BF681352, AV743427, BE787767, AW327840, BF212711, BF214381, BE906403, BG120301, BF038389, BF032831, BF689246, AA308582, BE884573, BE568338, BG112395, BF718776, AA316955, BE737786, AA535287, BF102789, BE881558, AA316284, AA308670, BE874983, AA316553, BF718683, BF029119, D56272, BE737963, BG115963, AV739694, D51124, BE565428, BE738399, AV738913, AV712380, BF718622, BE784801, BE877028, BE865693, BG169727, F20819, BE298062, BF211274, BF315518, T27636, F24452, BE739645, BE738206, AW068298, BE261442, BE738273, BG034437, F37402, BF571319, BE395762, BF310625, BF697600, BE313174, BF244308, BF303726, F25324, F20636, AW957333, BE563923, BF303651, AA146868, BG110622, AA315892, N77939, BF571305, BF718598, F33134, BF125885, BE960878, AV738228, AW408000, BF210245, BF029247, AW327881, BF700470, F20282, BF238356, BF245722, F30691, AV710336, F30820, AV738364, BE906206, F27818, AA306499, BF215958, AL036559, AW404866, BE790264, BE277269, AA143290, AV724929, BF212390, AA157054, BF796856, BE277011, BE514876, BE389163, W03894, BF215956, AA385201, F24576, F28257, AA501970, AW022377, AV708457, AA533618, BF718795, F32109, BF055644, BF240053, F32578, BF238936, F30162, AA179118, AW021281, F31767, BF185361, BF791484, BE258863, AW020382, F26077, AI309282, BF669141, F31195, F26670, BE734016, AI525222, F31722, F22445, F27271, BE739184, H02747, AW518445, AW328274, F27843, AW024028, D14530, AC010598, AC005406, X77398, AB007158, AX046357, AR066494, AR060234, AR069079, AR043113, and AA541570.</p>
HOFNL18	266	994874	1 - 393	15 - 407	<p>BF982594, AA304945, BF786293, AA355289, BE882518, BG164113, BG036187, AW945552, AL522242, AL521727, BF345678, AL533751, BE018492, AA312114, BF210611, BE886709, AA495817, BF002097, W72340, BF968410, AA477457, N79824, AI669118, AI245484,</p>

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HOFNT57	267	994954	1 - 1163	15 - 1177	AUI30186, AL52858, AUI43566, BG032538, BE731387, BG178926, BF246251, BE546764, AI130008, BE882058, BE900653, BE901813, BF131040, AW238927, BE278958, BE280397, AA146802, BG258310, BE280706, AA037291, BF130537, AW408060, BF671218, AA281910, BE958235, AW958055, BE958177, BE281535, AA304757, BF698291, BF082842, BF667061, AI378241, AA304345, BF155007, BE855677, BF196802, AA380691, AW963766, AA878646, AI702569, AW026139, AW372761, AA635825, BE855640, AW372751, BF733132, AI472824, AI016431, AA843477, AA887947, AI378170, AA744678, AI361091, AI081395, AW516559, AI003236, AA146803, AA767727, N34655, AI399815, AA380690, AW856740, AI080717, AA962414, AA661648, AI983339, BF476713, AW088309, AW304176, BE719113, AA961155, AW189866, and Y11651.
HCBMT45	268	994993	1 - 1656	15 - 1670	AL524032, AL520718, BF343440, BG114926, BG163566, AW749600, AI628088, BE903299, BF348876, BE902526, BF036229, AUI21257, W47499, BF348874, BE070481, AW875044, AA326810, W04800, AW838268, BE671868, BF357960, BE547306, BF888235, BG114819, AW937280, AA434529, BE070427, AA004472, U92010, and AK022138.
HATDZ56	269	995200	1 - 1879	15 - 1893	AUI17737, AUI19363, BF981791, AI126717, AI052256, AUI21212, BG165314, BE902257, BE536040, BG259893, AUI42181, BF342007, BG164121, BG111390, BE898067, BG028752, AW189938, AUI35622, BG118715, BF795161, BG169327, BG121236, BG028368, AW070663, AI885180, BE880899, BE881172, AA745594, BF306702, BG107907, BF740223, Z99376, BE539928, BE892210, BF220065, AI014817, BG249687, BE880172, AW239211, AI784576, AW073683, AA524748, BF528854, BF665628, AW327439, BE779442, BF792343, AW276639, BG122906, AW872951, N36799, AI608763, BE783594, BG231999, AA627848, BE546358, AW247076, BE328479, AI127547, BE614484, BG179876, AW960374, BF343168, BE093813, BE958181, AA166916, AW327258, AA568685, BE464835, Z99375, AA700740, AA740916, AUI50439, BG033007, AA573156, AW631056, BG177074, AA099018, AI051506, AA074799, AA812422, BE613976, AA835672, AW627745, AW976548, AI185757, AA503846, AA761648, AA592898, BG114482, AA160273, AW029151, BE546491, AW517165, AA451628, AW250428, BE958175, AI138225, AA809470, W63552, AA828239, AW327612, AI371140, AI371046, AI004126, AI089539, BE539342, AUI45724, AA127406, AI537332, AI190076, AA687268, BF381173, AA715174, BE206290, AI073676, AUI28126, AA167073, AI278484, AA775540, AI923795, BE535848, AA524391, AA978034, W88636, AA768416, AI635344, AI025865, AA992622, AW403551, AA393865, AA721424, AI024400, AW362155, AA962673, AA856908, AA173982, W73908, AA314538, AI031946, AA593126, AA031733, AI167830, BE936495, AA100657, AI922493, AA888675, H83589, AUI23056, R54097, BE697208, AW819111, AI380802, BE043974, AI752947, AI761093, AI033288,

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HOCQ144	270	995229	1 - 715	15 - 729	AI831252, AI650374, BF061759, BF057060, BE797203, AI935139, BF061760, AW005769, AI417343, BF311313, AA554943, BE891954, BF685276, AI246563, BE618097, BG032880, BE397206, AI554680, BF976708, BF797333, BE744727, BE338158, BE907169, BE618643, BG164883, BE885647, AW274491, BE295294, BF237549, BE552307, AA160710, BG109868, BF594273, BE886498, AW080931, BE504728, BE559663, AI660049, BG164638, AI637467, BE900800, AU123019, AA777748, AI808876, AI380738, BF684237, AI270758, BF973412, BE895506, AA564413, BF310917, AW020646, AI281284, AI203218, AA403150, AI368831, AA401483, BE268039, AA913021, AI264541, AA305922, AA700029, AA705555, AI097153, AA430504, AA149943, N75989, BG119145, AA629934, AW966695, AA913020, AW472855, AI308917, BF981762, BE784527, AW027600, BF082396, BF974975, AA136118, BF057814, AA936828, BF082395, AA401609, AI867762, AI264545, AA974269, AA633277, T86566, AA834364, BE789276, AW263663, AI133562, BF594511, BE904898, AA596035, AA977854, AA315182, BG033608, AW016092, AW404348, AW025749, AI884737, AI250679, T86744, BF345117, N89562, BE905692, AW079637, BF762047, AI565861, R80990, AW237726, R94970, AI695116, BE901072, AW188591, AA382274, BE205766, BE550389, R95056, AI799019, AW590111, AA719022, AI909396, AI288271, AI909403, R80790, AA760768, AW970688, AI909375, AI858174, AW849952, AW807662, BF809022, AA576241, AI590646, BF082228, BE009475, BF922727, AA403208, N88948, BE926176, BE009463, BE294296,

HNOJG43	271	995562	1 - 1016	15 - 1030	W04406, BE940226, BF818730, AA705085, AA092755, BE963676, BF745587, BF756809, U73379, AL050348, AL121852, AC010326, and AR018789. BF530931, BE887433, AA700637, BG031212, BE787285, BG032265, BG250289, BE872777, BF975368, BE888350, BG259501, BG178671, BG121264, BE385572, BG025460, AU123889, BG120763, BG176849, BE018986, BG251569, BF310080, BF796217, AL040945, BE292902, BE867768, BE778230, BE313767, BE535894, AW651694, BF203366, BE885600, BE018210, AA568104, BE263239, AW244142, BE890472, AW069664, AA165235, BG029628, AA311257, BG028398, W26906, BE873320, H29111, AA379686, BF081407, AW732839, AA165234, AA379707, AW408242, H92844, AA309679, AW732846, AA355319, AW244134, AV739862, BG030885, AB040387, H17153, AA337612, BE384475, BF811815, AA079621, BE385617, AA327809, AA453327, N89415, BF757893, AV737107, BF085282, BF358015, AI904702, AI571790, BF088476, AA028062, AA028061, AW262589, AA877545, AV737069, AL040946, AA149034, AI911678, AI264209, AA582725, AA594933, AW513329, AA488110, BG231727, AW612918, BE301689, AW673154, BE208801, AI885475, BE207777, AI678902, AA879144, AA588402, AV708243, AV708606, AI904760, AW899615, AW971745, BE208405, AA617827, BE837271, AA772717, AI281987, AW804686, AW392670, BE695785, AW861944, AA612842, AL119396, AW604723, U46349, AL119355, AW858526, AW858525, AL119522, F30775, BF926800, Z99396, U46351, AW877209, AL119319, AL119457, BF858264, AW190557, F21301, BF360811, AI685800, AL119324, AI311525, AA970639, AA954246, AA151031, AW276144, AA463498, AI302605, F36969, AA971107, BE705903, AA745842, AA884129, AA613325, AA779167, AA832350, AA907225, AW615590, BE705906, AW577135, AL119483, AW372827, AW384394, AL134525, AW861889, AW858455, AW363220, AL119497, AL119484, U46341, AL119391, AL119401, U46350, U46347, AL119443, BF868687, AL119444, U46341, AL037205, AI904745, AL119341, BF868684, BF868697, AV744583, AW604726, AL119439, BE705905, U46345, U46346, AL134538, AL119418, AL119335, AI142137, AW511430, AL134902, AL043019, AL134536, AL042544, BE705904, AL119399, AL042984, AL119496, AW861954, AI142132, AL043039, AL043033, AL042614, AL043029, AL042450, AL043011, AL042965, AL042542, AI142139, AL042975, AL119464, AL043003, Y08915, E12650, AL158141, AL049776, L31652, AF000577, AI223156, AI223157, AB026436, AR080280, AX046357, AR060234, AR069079, AR066494, AR054110, AJ251859, AX030435, A81671, and AJ279014. AL523089, BE735213, BF690068, AI192441, BE793432, BE794150, AA630330, BE791668, AL523088, BE901445, BE793552, BE515306, BE276069, BF689238, BF027098, BE900126, BE562743, BE747331, BE791104, BF973064, BE733064, BE620825, AL529029, BF025872, BE311984, BE744764, AA641149, AI971403, AI049983, BE387021, BG033880, BE515093, BE796039, BG034885, BF796669, BF026756, BF685347, BG030617, BF688429, BF794151, BG117363, BG169033, BE730729, BE797697, BE728295, AI680328, BG033071, BE908570,
HSPSB95	272	995590	1 - 979	15 - 993	

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HCORG29	273	995806	1 - 1461	15 - 1475	AL525031, AL530529, BF663306, BF971545, AW025025, BG258475, AU118761, BG032914, BF685877, BG121633, BE903452, BF981478, BF685489, BF797011, BG116837, BE620242, BG164987, AA827927, AI554406, BG249820, AI524296, AI571895, BG180487, BE740527, BF525728, BE393489, AI572859, AI811667, AI570178, BE387716, BE620784, AI884603, BE879489, BF127513, BG253264, BF663728, BE395984, BG253562, BE905611, BF219300, BE785705, AW3338209, AI439999, BF211816, AW613426, AL525030, BG030951, AA156241, AA679290, BG107695, AW167595, AI819887, AI375063, W73277, BE350515, AI189651, AI610178, AA458883, AA491213, AU145990, AA827903, BE787350, AI005398, AA922921, AU119724, AA054320, AI160911, AI685114, AU145249, W05582, AI093117, AW021515, BF216780, AW022794, N30640, AA581846, AW469855, AW163065, AI266487, BE350933, AI031704, AL038497, AI372851, BE172272, AW510581, N67420, AI760129, AI567473, AA641542, AI368039, AI823984, AI669557, AW363504, AI283802, AI089726, AA551037, AI918930, AW631236, AA617652, BE856972, AI357866, AI306589, AI269694, BE715156, BG004783, W69646, AI309054, AA845918, N22717, AA829897, W69647, N24200, AA988609, AA459073, AI362823, BE265458, AI538392, AV693399, AA715103, AA132151, N30171, AA581975, AA132029, AW004780, AI687460, BF215226, AA054420, AI352565, AI758991, BF732353, BF692209, HI0217, AI434220, AA025260, BF431116, BE869449, AA025338, H87399, BG222957, AW887096, AA341088, W87822, BF816282, R94593, AA076082, AA490721, AW591730, N75554, W87911, AI433500, N40816, N62299, AW952176, R36365, BF816279, AA878469, BF446815, AA618380, AV748450, AW630598, AA320520, BE768577, AI539196, AW407015, R46078, AI302689, R85306, AA056977, AA147254, R05766, BE812153, AA282256, AI587368, AI024987, AI763128, AI680889, AA341584, AW627423, R85305, R01156, AI350405, AI678578, BE075897, AA010791, AA447827, BE768617, AA173636, H59964, BF367093, HI0272, N95145, AI769382, BF741466, AA931906, BF976950, AI814270, R94594, AI581915, AA282730, R92966, BG032240, BF342174, AI217691, BE812421, BF002679, AI384121, N27031, W56129, AI351715, BF571368, BE741347, H69103, AA210625, BE328449, BF799534, AI971774,

HCRNO02	274	995894	1 - 525	15 - 539	BE348752, BG113168, AA992688, AV691812, AA458647, U30825, AL021546, AP001725, AP000692, U87279, U87277, U87278, AA877919, AA011220, and R29605. AI087863, AW205361, W67736, AW135527, BF112018, AI261883, BE886105, AI954585, BF592922, AA922244, AV726182, BF033136, AW402172, BE889683, AI347209, AW605270, AW949405, AU134577, BE539958, AW605272, AW418630, AL525630, AW601391, AA321817, BF115737, AV689056, BE565311, BF572563, AI933896, BE894922, BF853166, AW605273, AI879891, AI692564, BE909642, AW270487, BF669959, AW084360, AA602961, AA101742, AW612752, BF757848, BF797062, BF977586, AU142848, W25008, AV708387, AA306002, AW614255, AW377570, AV728041, AA016984, BF755701, AI802071, W67735, BE885363, BE884342, BE890337, AA377036, AA092406, R27168, AA069079, BF760715, UI18914, S82081, and U35428.
HCB0179	275	996247	1 - 879	15 - 893	BF344503, BG253745, BE884245, BE315407, BG180340, AI114464, AI744084, BF003120, AW451065, AI888992, AI431740, BF568084, AI380546, AI656998, AW300527, AI433538, BE464324, AI160803, AI874272, BF476317, AI916753, AI638710, AI952946, AA009412, AI888867, AI796216, AW051510, AI871622, AI382137, AI570640, AA136115, AA009693, AW237382, BF592115, AI916760, BF102764, BG256114, AI357604, AW206165, BF059310, BF874841, AA767400, AA962144, AV694380, AI223191, AW242929, BE791944, AV707942, AA136067, AA450010, AA047548, BF591090, AA057784, AI671950, AI803084, AA452628, AI183340, BF591405, AI810350, AW015645, AI217043, AI818009, AW182191, AI564896, AW075602, AW014905, AI357555, AI766792, AA566017, AI336131, D20857, BF668498, AI751642, BF568923, BE799110, AI364812, BE673585, BF217847, AI873178, BF954384, D31155, AI969843, BF939241, AA329597, AW169141, BF221870, AK000857, and AC003112.
HVCAB73	276	996337	1 - 1513	15 - 1527	AL518842, AU118468, AU117968, AL517493, AU117660, AU119978, AU142310, BE790938, AU142367, BF972250, BF984978, BG252995, BF684869, BE559749, BE560314, BE902291, AU128821, BE795645, BG032172, AU123321, BG110982, BE792404, BE300141, BF982746, BG113974, BF984581, BF794875, BE907107, BG257415, BF309826, BE795893, BE792464, BG028288, BF965624, BE735087, BF976730, BE799193, BF305694, AU142239, BG257876, BF529711, BE613812, BE614422, BE791689, BE885879, AL517492, BE409756, AU135389, BE783011, BG032093, BG114278, BE901386, BE618095, BG122124, BF026898, BG256177, BG251091, BE612467, BF311267, BE618641, BG107568, BE888894, BG180037, BG028062, BE278994, BE614277, BE891718, BE868694, AW947123, BE298422, BE908780, BE278771, BF979838, BG121166, AV759228, BG116644, BG108186, BE272582, BE746783, BE785332, BF316338, BF973741, BE730725, BF979294, AV698719, AI040837, BG106907, AV706709, BF311733, AA206423, AV706293, BE789022, AV706359, BE259394, BF983820, AV713317, BE543291, BF980476, BF310651, BG031342, AU134782, BG261061, BG251520, BF981835, BE396863, BG028634, AW946539, AV653256, AL035921, BE275555, BE612914, BG026070,

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HSDJH04	277	996619	1 - 926	15 - 940	

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HSOANI8	278	996804	1 - 616	15 - 630	<p>BE466450, AW085532, AW241624, AW241613, AA806056, AI139578, AW241447, AI655042, AW296683, AW241504, AI005390, N32749, AA732371, N32766, N75507, AW977149, W23313, BF671561, BE541574, AI349361, H01507, H00269, AL079342, AB030654, AF155159, and AF092093.</p>
HHEHF49	279	996874	1 - 788	15 - 802	
HCHCF36	280	996903	1 - 838	15 - 852	<p>AA604207, BF568246, BF685919, AA769075, AI829363, AI160465, AW611817, AI365676, AA909715, BE504747, AI333819, BF828573, AI523938, BF989966, AA768116, BF091370, AI168213, AI658820, BE390437, W56333, BF987457, BE797515, BG110670, BF974205, BE745959, AI652259, BE563589, AI097626, W56246, BE880543, AU141729, AL134271, BE933141, C75024, AI933359, BF087614, BE279562, AI475845, BF314042, AI936721, BE735049, BE298845, AI933320, BE265132, AW512295, BF802106, AW498827, AI431995, AI283491, BE222982, AW449482, AA808235, BE392368, AI763116, AA814951, AA505663, AW274238, AA056204, W56326, BF036391, W56359, BE900914, AI656477, BE818925, AW162674, BF309126, BE700914, BE254984, AA055543, AI760331, BF827226, BE395139, BF229557, AI369700, AI369699, AI197948, BE048398, H81842, AW242467, BE818985, BF307576, BE617252, BE514899, BF125485, AI972328, H44030, BE742153, BF828519, BE793542, AI082336, AA459967, BE812253, BE184274, AU130605, Z25808, M77198, M95936, D30041, U22445, X65687, X61037, and AC002364.</p>
HAHCK58	281	997127	1 - 1797	15 - 1811	<p>AL530933, BE744244, BE886518, BF307394, BE886078, AA521306, AI346509, AW014616, AU154742, AU160803, BF307330, AW662413, AW043807, AW000956, BF434533, AU159740, BE350868, AL530932, AU153954, AA031263, BF897515, AU153595, BF223978, AU146675, AU152826, AA524349, AU143944, AI340333, AW128969, AI826348, AW305306, BF062439, AI564106, AW304346, H71784, BE878383, AI161344, AI262022, BE504256, BE326650, BE504858, AI039240, AW162372, AI962737, AI309252, N76604, AI815896, W69677, N94090, AI935385, AW271271, AI948839, AA010408, BG004347, BF091918, AW513419, AI289056, BF055132, AI638198, BE219405, AW008633, BE676811, AA532714, AA632276, AA040180, N54492, AA570140, R98609, AW025830, W69676, AW510423, AW073235, AI694628, R15330, H71783, AI886412, AA582538, BF798373, AA635538, AW578114, N69270, R98610, AI917180, AW014409, BF886580, AI383709, AW078973,</p>

					<p> BF888376, R96473, AA011236, BE139647, R96472, W23106, AW044241, H37813, AA377991, BF897459, F16253, H75768, BE090852, R78149, AA323463, H37864, AA770070, AI222936, BF737167, H75904, AU117001, AA031337, AI367688, W07590, AI823334, AA040181, AI453543, H67441, AW375895, R77788, AI630685, BF798370, AW000974, AA219406, BF091159, BF091899, AA693496, AA609001, H67387, R45504, AU134927, AI872776, AI472899, AV764371, BE867933, AW194032, BE967456, AW997941, AW351834, BF091195, C01873, AA367973, R24771, AW132078, BG177469, AI436065, N67327, BE765933, AI670001, F21760, AV745723, BF991903, AW374683, T19904, AL514691, AI873765, AV745724, T17187, AL514791, AL513755, AA613907, BG258600, BE964876, BE909398, N42321, AI312428, AL513907, AL048656, AI932953, AV682697, AI888953, AL514543, BF990167, AI873731, AV710950, BF960601, AV758738, AV682772, AL514129, AV681869, AI906328, AL514261, BE047691, AA493647, AL514935, AV756150, AW813006, BE172767, AV699193, BE965095, BE966775, AI813986, AW954031, AL041562, AI149592, AI886415, BG032214, BE877540, BE164610, AI907070, AW162189, BF870154, BE905415, AI624859, AV762619, AL514421, BE613880, AV735022, AV682385, AI382201, AI813914, AL515047, AI348901, BE971716, AI907061, AI344182, BF814018, AI678989, BG151247, AW946760, AW168031, BG034550, BF037607, BE964741, AV693157, BE968711, AI682106, AL513687, AW132121, BE789764, AL513991, AI538342, BE881134, AI635942, BF108084, AI335426, AI348777, AW004886, AI364788, BF793324, BE877901, BE904051, AI570966, AV682645, AV727614, BE905250, AI609580, BF340889, AW168320, AL514579, AI434242, AL514529, BE785868, AK001138, AK021440, AL050146, AL049938, AK024538, AK024601, AR013797, AJ242859, AK000614, AK000212, S79832, AF022363, I48978, AL122098, AX026823, AK026522, AL162006, A07647, A58524, AF065135, AF113699, A08916, A58523, AL133606, AK000083, AF262032, AF178432, AR011880, AL110222, AL110171, AK024524, I89947, AF113690, AL121656, A08913, AF321617, AL1389935, AL137300, AR038854, AF067728, AX042059, AB048974, AK025349, AF155221, AK025573, AL050108, A08912, AL137641, A08910, I89931, A08909, AF111847, AK026542, AR087170, A08908, AB049758, AL389939, AK026592, AL137276, AK025378, AF113694, A18777, E06743, AL162062, I89934, U00763, AK025967, AK000445, AF119871, AL353957, AK025491, AL359618, AF090896, AF155827, X93495, AB046642, AF111851, AF130104, AF305835, AK026950, AK025708, E15569, AL133072, AL133560, AL133637, AK000652, AF118094, AK026480, AL137560, X92070, AL080137, S76508, X98834, AK026464, AF114170, AF116676, AR083266, I26207, AF118090, AL133081, AL389957, AK026746, AB048975, AF130077, AL442072, AL359620, U42766, AL137521, AF113013, AK026532, AL137539, AB019565, AF078844, AF130087, AB047248, E05822, AL137478, AK026057, AL133080, AB041801, Z72491, AK025209, A90832, AK027164, AF130068, AL096720, AX027129, AL137527, AL137294, AL050393, X65873, A03736, AB029065, U51587, AK025383, AB049848, </p>
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HETIJ06	282	997165	1 - 371	15 - 385	W04730, BE266365, AI133648, BE793925, BE559709, BE790380, AL518848, BE865465, AL530857, BF132480, BE740884, BE795484, BE793563, AI304872, AA741065, BE865290, BF683810, W80875, AA122216, AA308813, AA284386, BF326544, AL355392, AF161516, AK023992, and AF152097.
HAPOE30	283	997595	1 - 2897	15 - 2911	AU117247, AI126490, AV717396, BG104731, BE501285, BF056914, AI094852, BF796496, BF063299, BG256800, AA454987, AA454988, BG114650, AW080282, AW966631, AW168948, AI336277, AA772322, BE220380, AI859792, AI417858, BE466892, AW103075, AU159373, BE504285, AA918401, AI432403, BG230590, BE673392, BE670742, BF725058, AA410511, BE540683, AA083340, AW594055, AA418120, AI949050, BF112235, AU144138, AA679107, AI708897, AI376002, N78061, AA477527, AI700609, AA828552, AI991181, AA417942, AW168995, AI139660, AI021901, N25477, AI004673, AA411601, AA024709, N49529, AA693511, AI985704, BF343591, W60152, AA778693, AA180440, AA418978, AI767329, BE350692, AI242979, AA577408, W51942, AA524990, AW195065, AW028525, AW953384, N49287, AA418805, AW243797, AI246226, AA024727, AW008941, AA757727, AA527910, AA074180, C05139, R67172, BF348935, AA813662, AW971329, W94122, AW614468, AW513979, N58471, AI868472, AW182171, AA707715, AI183895, AI927765, AI620107, BF508176, R59987, AI654118, AW204432, H44803, AA352918, AA295664, AI499474, AA363317, R09270, R26284, AI784077, AA385639, R25459, H95934, AI572507, BE160130, AA885993, AA363316, R35885, R35884, AW993480, AW023692, AA721410, R36442, AA251090, AI864808, W94018, AA579940, AI872496, AI249523, AW993214, R36160, BE817052, R58756, AL513907, AV729890, AL514919, AL514627, AL513597, BF054789, AI985363, AL121270, AL514691, AV655645, AL514791, AW071349, AW827203,

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HRGDC33	284	997862	1 - 1826	15 - 1840		AL530171, BG167455, AW341526, AA143021, AI621276, BE695940, BF540992, BE695955, N34863, AW593873, AL530172, AW196758, BF223067, BF223008, BG054486, AI392748, AI807788, AI147923, BF666752, AI634124, AW204647, BF438607, AA293879, BF476285, BE866767, AW276898, BF434775, BF103871, AV712302, AV711800, BF983985, AI392984, R63482, AI680602, R63481, BF507828, BF688635, BF908078, AI795905, AI444949, BG178163, BE048998, AW269138, BF689020, AA251885, AA150912, BE566036, AW884530, F34562, AW801105, AA872641, AA321262, AW082114, BE001578, AW674054, AW961602, BF913145, AA937288, F29869, AI924910, AI908447, AW800341, BF746755, BF215227, N43936, BF676410, AI969745, BF061733, BF796686, AI990282, AW884388, AL109918, AP000568, AP001676, and AR022362.
HMTMB91	285	997873	1 - 1162	15 - 1176		AV755264, BF577013, AI923558, AW268804, AW469653, AA760854, AA580566, AA580691, AA836465, BF899990, BF926478, AA768321, BF514639, BF088900, AW392416, AI885519, BF061715, BE888827, AW129764, AI951031, AW858464, AI936012, T40389, AW392849, AI820997, AW858513, BF950338, AW836417, AW392833, AI821288, BE503330, AW837691, AW750461, BG114047, AI275943, AF109907, AC004858, Y12017, AK026107, AR060046, and AR060053.
HFAAD07	286	998059	1 - 988	15 - 1002		AV684787, BE674615, AI887753, BG258585, BE218749, BF224413, BG165003, AI702451, BF224407, AA548464, AI978680, AA071156, AA191693, BF570780, BE738364, AI797896, AI826052, AA041342, AW014334, T62575, AA197202, AI084270, AW375498, BE775118, BF333162, AA188647, BF431428, AU155686, AA602203, BF751398, BF365027, BF155009, HI0377, H20737, T63199, AU117290, R71297, AI829554, BE645507, BE815650, BE247171, BE701182, T62541, AI659397, AI868867, AI810306, R40856, BG110361, AI701277, AA602213, T62616, AI221666, AA070862, AA860281, BF718478, AA191265, BF088816, BE090765, BE840583, D25992, BE704032, BF692434, AW754457, AW363933, BE540276, AI217112, AA528408, BF981414, BG015645, AI633390, AV727030, AI199435, AK023434, AB029036, AI132948, AF119043, AL035410, and AK021491.
HE8TG67	287	998517	1 - 1884	15 - 1898		AL537729, BF346881, AL536527, AL517563, AL518650, AL525543, BE621523, AL536921, AI040011, AL531577, AA704144, AL516123, BE271006, BE540109, BE619747, AL533503,

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					<p>A08913, AF130110, A18777, AL133619, AL389957, AF090900, AF116682, I89931, U91329, AL133557, A08912, A08910, AR087170, A08909, AF017437, AK024588, AF132205, AL050024, AK000618, I33392, AK000212, AF153205, AK025798, AK000310, I09499, AL133014, AK025465, AL137479, AR038854, AK027116, A08908, AF090896, I04504, S76508, I89934, AF116644, AF119883, AF090943, AK027121, AB048953, AK000250, AF119857, AK026608, AR083266, Y16645, AF028823, AL049382, AB047897, AX019230, AF225424, AL080154, AX011676, A07647, AL359620, AF208026, AF056191, AL050393, S78214, AF113691, I29004, AF130104, AL050146, AL162083, AF119896, AF143723, AF119859, AK026741, AB049853, AF090903, AF262032, AF117657, DI6301, AL137547, AF155827, AL096751, D83032, X66871, S36676, AL049283, AL122050, I46765, AK027204, AL117585, AR079032, AX046842, AL117394, U42766, AX019229, AF113013, AX012188, AF113689, AR034830, I96214, AL359622, AF218031, AL353957, AF111851, M30514, U58996, AF202636, I17767, AF111849, AK026647, AF106657, AJ005690, AL133104, AF116639, AL133558, AK025967, AX047644, AF218004, AB050421, AF185576, AK000083, AJ238278, AK025349, AF242189, AL353940, AK000391, U80742, AL122093, AL080126, AK026600, I00734, AB049848, AF267991, U75932, AF314091, AF116691, S75997, AL050277, AL137526, AK025391, AB048888, AL110196, I03321, AK027146, AF026124, AF218023, AF116646, AF254119, M27260, AF130068, X54971, AF138861, E00617, E00717, E00778, U57352, AL359615, S77771, AF178432, AL133113, AK026506, AF175983, I89944, AL133560, AK026534, AF100781, AL049324, AK024992, AK027102, AK027096, AL137557, AF159141, AL137478, AF218014, AL390154, AK026642, AK025906, X70685, AL049314, Z72491, AB047941, U53505, AL117583, AX017991, AK025209, AL137459, AB048974, X52128, AF130105, AK027164, AF017790, AL137529, AB050431, T92736, R33834, R33835, R33993, R34880, R36088, R36183, R41327, R53706, R41327, R72170, R73657, R76025, R76227, R78754, H15810, H19741, H20074, H26185, H28046, H39612, H42479, H44400, R85909, R87326, R88467, R90835, R90836, R90927, R96270, H51203, H51431, H51570, H51940, H92747, N31624, N62322, N79443, W37310, W69152, W69277, AA016048, AA016059, AA017717, AA029411, AA029277, AA065039, AA071000, AA074465, AA113882, AA171923, AA533376, AA551621, AA551734, AA584329, AA568455, AA657809, AA745127, AA761504, AA804720, AA834831, AA857175, AA968508, AA976763, AA291776, AA427412, AA476955, AA669654, F22178, AA852221, AA861255, T03330, T03513, AI027029, AI080033, AI122866, TI15399, TI17025, AI439358, AI560117, AI566983, AI567273, AI570382, AI582975, AI584181, AI624390, AI627996, AI183819, AI654280, AI272156, AI587318, AI613240, AI689548, AI690603, AI744851, AI745467, AI799307, AI859423, AI859509, AI919574, AI953465, AI963535, AW016491, AW088681, AW071042, AW128909, AW130417, AW131920, AW152670, AW197018, AW078705, AW079199, and AW337323.</p>
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HACNC39	288	998533	1 - 527	15 - 541	<p>BG258323, AV726190, BG059174, BF031580, AW247693, AV733393, BF673590, BE393632, AV718256, W33034, BG223143, BG027098, AA316722, BF540944, AV740290, BE620501, AA761185, W76104, BE880515, W72590, AV712501, AI373016, AW951730, BF343423, AI301029, AW516518, BE336891, AI973019, AW954688, BE267264, F19333, AA642858, AW275727, F24037, BE886443, R98379, AA293612, BG029810, AI074416, AV682189, T30842, AI193781, AI709082, AA010642, BG178022, BE206642, AW163422, AI369744, BE737738, AA972242, AA505959, W30911, AA622015, AI479908, N39461, N99973, R89095, F24482, AA081027, AA502036, R89203, AA035242, AV758359, AA573301, BG116673, BF976770, AI205784, W69222, AI301695, H55975, AA081028, BF028555, N95321, W01264, AI719663, R98380, AA861810, W07432, BE744309, W57656, AA927506, AI719437, AA226340, AA226339, AA659132, H55976, AA635460, BE263378, AW004852, BE208315, AI096433, AI885213, AI097113, BE858122, AA935727, AA935732, T64927, AA128637, AI282165, AI299205, D31544, AI087422, AI299261, AA977268, AI493422, AA535488, AA927717, BE738497, AI028146, AI027821, AI288435, AI590079, AV744150, AI758305, F32365, AA601928, AA862695, AA910891, BF082399, AI867500, AA601890, W69078, AA535582, AA011251, F22069, AW162386, AI554628, AW157546, AA514029, AA527091, AA514433, AA948196, AA307500, AW163423, AW841585, AI266428, F36879, AA304694, AI277191, BE620900, T34355, BF687997, D11824, F29996, AA127824, T19184, BF898606, AA852606, AA480469, AA385328, AA046538, BE045065, BF678637, AI880263, AA128770, T39525, AA837248, R66514, T67659, AI580758, N73968, BE567125, BF217569, AA680363, AA301822, AA055001, BF246041, T32179, AI879869, AI143015, AI141685, AA010673, AA177089, R67830, AW964427, R30686, AA973995, AA572821, AA282316, T30691, AV715207, BF743095, W24587, AI468069, AA321070, AA358416, AI445120, AA996068, AI014448, AA908418, AA931480, AI148889, AW583730, BE045228, AA045468, AI467821, AW583317, AA308501, BE049525, AA962130, AI148886, H47357, F37883, F27165, N70956, W35401, AW151841, AI148586, BE833126, F31392, F17340, N75848, BE174000, W03741, BF819345, AA092713, BF541948, BF819342, AC008752, and AF318186.</p>
HCOQP78	289	998901	1 - 1051	15 - 1065	<p>BF038501, BE743899, BF032818, AA587273, AI470221, BE501242, AI566249, AW590780, AI963941, AI916929, AA933987, AI656124, BE672062, BF508514, AW873183, AW801187, AW610294, AW998772, AI914774, AW610295, BF915088, AW998876, AA320217, AA343629, AW965060, AA401047, AA400995, AB008927, AB008390, AF055982, AB009849, AF095742, AX002035, AF095743, AF251125, AF243527, AC011473, AB012761, AB010780, and AX002037.</p>
HCGMA67	290	998905	1 - 2397	15 - 2411	<p>AL516908, AL529636, AL526532, AL528012, AL522876, AL521127, AL526488, AL521128, AL516907, AL531189, AU122740, BE745665, BE250550, AU119700, AI743606, BE798628, BE736968, AU125167, BE797870, BG112405, BE902115, BE560581, BE734679, BE793368, BF969559, BE620400, BE268360, BE736647, BE902108, BE728049, BE796873, BE870756,</p>

					<p>AW411493, BE270572, AU133808, BG121078, AU133710, BF686594, BE910106, BE257320, BF317202, BE793091, BE730051, BE263846, BE384717, BG115969, BE879093, BF183030, AU134059, BF974997, BE737205, BE396557, BE262942, BF027539, BE793751, BE904872, BE893045, BG178142, AU133810, BF310279, BE311403, BE780071, BF125763, AW249262, BG167684, BE799083, BE150570, BE264319, BF797226, BE276706, BF797134, BE277414, AU122878, AI819948, AW292784, BE018144, BE731116, AI346337, BE388636, BG232088, BE644993, AW085502, AI819956, BE273350, AW411494, AI922650, BE079846, BE390098, BE385907, BG250419, BE264525, AW248841, BE542604, AW604679, AI818941, AW264093, AI126505, AI818959, AW837557, BG114384, BE779041, AW182262, AA436151, AI184672, AW069602, AA599479, AI150894, AI687205, AI637558, AV649134, AA594595, AW168019, AW068429, BG035056, AI091663, AI346196, AA436277, AA232178, AI923623, BE139474, AW001867, BF348648, AI802886, AI082781, AA452041, BF912320, AI138457, AI986228, AI346777, AA133011, AI085977, AA127224, AV648865, AI659420, AV648769, AW857727, AA743051, AI721055, AV648944, AA211354, BF894734, BF892701, AA156145, AI261503, AI357961, H82468, H51040, BF752799, BF948221, AA306464, AA995825, H77453, AW837617, AA155712, AA451842, BF752803, BF951602, AA631133, R86155, AI270028, BE301626, AV725027, AI538266, AA844701, BF761725, BF752808, AA064668, AI810461, C18335, AI961800, AI129748, AW381832, BE152165, AA280183, AI184909, AI125741, AA133126, AW067954, N44500, AA156399, AA322829, AI241053, BE767776, BF594788, BF951594, AA826959, T72301, BE706433, BE063208, AI380368, AA127223, BF350441, AA306328, T48747, AI911666, R31445, AW673805, AA382705, AA922112, AI688280, AA385663, BE710692, AW194218, AI984114, BF764757, AA353720, AW883638, AA130715, AI784292, BG254395, R50604, AA347146, AW016251, AA300597, BF851633, AW302862, D25743, AI351721, AA130800, AW276690, AI499265, AI537970, T69840, AA281560, AI633516, R53694, AI049970, AK025165, S53268, X56741, X56385, S53270, M83675, AC011742, AL137068, AC003104, AC011452, AC006329, AC008812, AL391690, AP000335, AP001725, AC009086, AC003029, AC004151, AC002401, AC011475, AP001732, AL121929, AC007386, Z99716, AL117334, AL050349, AL138741, AC004840, Z85987, Z83838, AI031680, AC005098, AC016995, AC000353, Z93015, AL162505, AC010422, AL121933, AP000215, AP000350, AC008163, AC003007, AC005071, AP001469, AC008649, AC004166, Z83845, AC006480, AC004975, AL049762, AC004867, AC005632, AL139353, AC010289, X14448, AC002351, AL133174, AP001038, AC005082, AC004159, AL033358, AC006312, AI389886, AC006530, AL031291, AF024533, AF030453, AC004673, AP000557, Z82179, AC005180, AC007283, AL158830, AC009470, AP000031, AC026199, AF135025, AF053356, AF031078, T55532, R50516, H51041, H77454, AA064715, AA116002, AA128604, AA132717, AA665918, AA709196, AI091860, and AI696317.</p>
HSKHK19	291	998968	1 - 1335	15 - 1349	<p>AL519526, BE256801, AW130128, AW970424, BE621017, BE787578, BE621643, AI589581,</p>

HAGGR59	292	999124	1 - 584	15 - 598	<p>AI949575, AI818124, AI589840, AW081864, AI912753, AU145975, AI634482, AI563933, BE223113, AI074607, AI569706, AI814661, AI373372, AA496332, AI860757, AI184874, AI812006, AW275925, AW275923, AA443603, AI866518, AI049612, AA535149, AW104765, AA446619, AU146067, AW938784, AU119822, AI377544, AL519527, AW613441, BF510601, AA496667, AA910533, AA568546, AI033588, AA457153, BE676768, AA454523, AW170554, AA187136, AI241929, W72667, BF530659, W06898, AA699709, BE540686, AA074340, AA367858, AA443905, AA577051, AI928605, AW151489, AA367893, AI656686, BE702465, AA379678, D63303, AI017693, AA513395, C02140, BE702440, AA676828, AW751107, AA476663, BE048320, AW337952, BG004582, AC004890, and D30612.</p> <p>BE784070, BF002337, BF514872, AA568401, AA579465, BF967065, AW752043, A90832, and AL121674.</p>
HOPKS83	293	999148	1 - 2249	15 - 2263	<p>AL522393, AL533573, N99342, AL516958, AL535381, AL523241, AL535062, AL522394, AL535382, AL516957, AL523240, BE562445, BG105219, BE612965, BE312728, BF312923, BF315986, BF035342, AU118409, BE743128, AU119979, BF317065, BF315006, AI911669, BF206582, BE378738, BF314738, AI920919, BF307782, BE393973, AL517298, BG105346, BE299566, BF312608, BE336625, BE743194, BE899095, BE878702, BE314539, BE299463, AI863032, BE382388, BF793901, BE299754, BF033995, AW956858, BE336951, BE263982, BE299939, BE794536, BF204946, BG117746, AL517299, BE540363, BE746220, BE889577, BF310262, BE296433, BF032410, AI630771, BE262722, BF206365, BE881335, BE792711, AI962939, BF038482, BE736530, BE262374, BF983571, AL041532, BE222837, AI203519, BE747404, AW474516, AW860949, AI467799, BF038659, BE395887, BF205799, BF984646, BF035677, AI446105, BF033792, AI683133, BF207213, BE390734, BE880386, BE797748, AW084757, AI623575, AI198705, BF317016, AI688407, AI131027, AI951929, BF035073, BF724131, BF034309, AI680339, BF361335, W63745, AI802236, AI620096, BG117568, BE395019, BE963719, AI631270, AI017269, BE382313, AW404858, AA069776, BE217748, BE161881, AW131659, BF306325, AI146732, BF741443, AL041531, BE260390, BF811734, AW951865, BE963088, AW516123, AI126564, AI376222, AA399190, AI473708, BE298239, AI024470, AA069813, AI693963, AI038226, AA557265, BF832766, BF038178, AI146374, AI310457, AI371081, AI302272, AA613136, AI148411, AI080066, AI469677, BF315092, W58405, AA031461, AW301060, BE743266, AI366166, BF812723, AI097537, AI199004, AA479914, AW575954, BF956421, BE260076, AA156788, BE391447, BG169831, BG015923, AI814687, AA728764, AI859489, R72685, W74501, W61097, BF092603, BF092637, W58479, BF811740, AI683174, W79724, BF092611, AA974665, AI874214, AA156877, BE395715, AI568464, BF590686, BE336638, AI743500, BF948695, AI538384, AI039247, BF948453, AI149388, BE830442, BG059628, AA394042, AI625093, AW630225, BF092602, AI274730, BF446367, BE261854, AI040040, AI810483, N94374, AI446509, AI658968, AI367239, BF912314, H48071, AI018149, BE019825, AI589495, BF948722, W58139, AW511638,</p>

1899

					R21300, R24774, R36859, R38515, R43031, R46146, R48308, R48410, R48837, R48836, R50605, R43031, R46146, R70155, R71373, R72615, R73704, H14786, H15694, H15747, H15786, H17811, H17812, H20794, H22611, H40823, H41607, H43789, H45364, H47720, R87510, R88795, R88794, R89030, R89726, H50894, H60992, H84383, H89495, H89641, N74100, W19372, W42783, W42898, W44469, W57868, W78899, W79097, W84333, AA025892, AA031482, AA040320, AA158788, AA158789, AA161030, AA427424, AA501350, AA523346, AA535958, AA541255, AA635851, AA744728, AA858101, AA873146, AA876672, AA894659, AA937250, AA976782, AA995084, W84394, C03893, AA292288, AA448902, AA453017, AA476579, AA722416, AA835064, AA852464, AA283459, AA860458, T03398, AA971995, AA947590, AI016219, AI039549, AI066699, AI086910, T15385, T17105, Z41095, T16680, Z45379, F01667, D45708, F04904, F05415, F05955, F07313, F08033, F09125, F11540, F13021, F13479, R12105, F09201, F10617, AI282756, AI288425, AI363724, AI453295, AI418866, AI471189, AI500689, AI131529, AI147105, AI247641, AI278086, AI291822, AI682136, AI682565, AI689335, AI696603, AI858413, AI918457, AI922927, AI953304, AW057752, AW073356, AW073834, AW074319, AW129483, AW138948, AW152247, AW166772, AW243760, AW264088, AW275276, AW189508, AW193597, and AW338298.
HE8CY70	294	999157	1 - 1830	15 - 1844	BE797192, BE530420, BE745297, AU117223, BF527457, AA496607, AU123909, BE872588, AW882094, BG013957, AU121939, AW351481, N79880, AW959439, F11971, AV693216, AW390117, BF931676, BF742689, AW997245, AW937846, AW800106, AW796165, BF931403, AW899383, BE700047, AL042881, AW899297, BE699796, BF819802, AA300925, BE149577, AW899299, BF743447, BE699998, AI570163, AA366791, AW899558, AU147665, AI978630, BF436552, BG010862, AW001282, BE700284, AA662508, AI635169, AW170627, AI890519, BF509786, AW130855, BE706148, AI783780, AI983256, AI801585, AA323509, AI193784, AI400088, AW009844, AI288952, AW166951, BE838621, BE819028, AW937780, AU151740, BE819006, BE838640, BF475968, AI983330, AW009053, BE819041, BE838648, AU129660, AW026864, AI199344, AI369124, AA348716, AA400881, AW117735, BE838678, AW169754, AW104779, BE904184, AB007867, X87904, and AJ011415.
HPCTI53	295	999243	1 - 1791	15 - 1805	AL535256, AL534951, AL537065, AL534840, AL532662, AL534290, AL534839, AL537766, AL536321, AL536486, AL519773, AL519772, AL534970, AL514450, AL536487, AL532832, AL515338, AL532707, AL517308, AL533170, BF966574, BF966824, AL533327, BF969218, BF312752, BF966857, BF971333, AW954554, BE741256, AU138028, BF348305, BE742610, BE746943, AL528920, BF966861, BF791964, AU134706, BE382457, BF793547, BG036726, BF206971, BF793341, AU136569, BE788895, BF793833, BE314586, BF528036, AU139364, BF315334, BE528947, BE786032, BF969765, AV705152, BG031513, BF970234, AI795976, BF966199, BE383501, AI147046, AW857216, BE784831, BF966444, BE259799, BF951728, BF527213, AL537064, H93036, BF951951, BE260158, BF951931, BE793344, BF951912,

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HOPKN50	296	999313	1 - 1689	15 - 1703	AL531915, AL527360, BE903220, BF684028, BE561023, BF984727, AU129601, BF978548, AV718036, AW955129, BG257162, BF665251, BF667950, BF219086, BF038467, BE889796, BE56202, BF244797, BE564344, BF218992, BF576929, BF977553, BF976962, BF029347, BF540908, AL527307, AL531914, BF246890, BF687621, AA312280, BE940500, BE566742, AA700427, BF700934, R92253, BF977894, BF246242, BF666100, BF994346, BF001266, AI954614, BE503512, AA249583, AA188980, AI955047, N88235, AA249666, AA189047, BE857720, BF899120, AI341285, AI341287, BE543964, AF017790, Z59345, and AJ236630.
HAPAI17	297	999778	1 - 1280	15 - 1294	BF033653, AW444993, AI871043, BF032343, AI807343, AW510878, AI950459, AI826126, AA447467, BE857146, BF509983, AA001932, AA446661, AI859171, AA872128, AA922684, AI083866, AW297393, AU138791, AA775527, AW262576, AI361621, BF033189, AU155748, AI933363, BE645182, H13820, AA670262, D45494, BE899588, AA228815, AA315799, AA977654, AA683497, AI586990, AU134985, BF853051, BE315005, AW890841, BE788343,

HHAUV59	298	999808	1 - 1896	15 - 1910	AW769578, BE746090, BE019946, BE612484, BF035920, BE301953, and AK001832. AL048447, BF312839, BG024591, BG117134, AI678749, BE839416, AA675912, BF307871, AI765059, AW572765, AW007348, BE675880, AI885787, AI435265, AI075277, BF934019, BF309250, AW964131, AI524738, BE297104, BE933325, AI383625, BE773064, AW269313, AI522069, BG253109, BF933881, AA675911, BE888599, BE048871, BF056045, AI827292, AI830068, AW204343, AW001183, AI633366, AW732389, AA378192, BE047068, AW899221, BE743381, BF800703, BE747149, AW501959, AA312335, AI632305, BF057718, AW001192, BE258013, AW471190, BF935373, BF034266, BE019131, AI763226, BF305211, BG004997, BF109329, AI187053, AI970090, BE440030, AI492245, BE140494, AA460452, W00626, AI628639, BF569680, U73200, AF311311, and AK025229.
HTXLL31	299	100031 5	1 - 2567	15 - 2581	AW851285, AI307751, AW851000, AW850996, AW851276, BF111184, AI860767, AA151346, BE326805, AI670955, AI670956, AW474917, BE962693, BF057083, BF692970, AI762646, N54275, AI304947, AI129360, AA431590, AI653467, AI523805, AW816568, BE933761, N78023, AI188725, BF684485, AA429000, BE046482, AI417222, AW003359, AI690557, BE222504, AI335940, AA035134, AW627685, AI765632, AI276573, AI301819, AW026872, AI285087, AA808713, AI262798, AI000876, BE698558, AW206586, AI341622, AA035133, AA088715, AI373092, AW851281, AW367644, AA088714, AI767023, BG223175, BE939909, AW851279, BF926936, AI537741, AW194241, AI138638, AA100747, BE010120, AI251120, BF223753, AW630988, AW166773, BF350566, N58715, AI289411, AW339814, BE243498, AA341869, AW339823, AA811859, AV650677, AW865812, AV654828, AI262069, AV657837, AI610516, BF196451, AI473271, AA431459, AW300347, AI631804, AW771246, BE153798, AW374420, AA100730, AI696300, AA135161, AW849214, AA135257, AA216017, AW865611, BE613126, AA149246, AA665876, AA341868, AW050441, AI174474, AA227718, N58433, AA249421, BF353512, AW391686, BF810441, AA535957, BE926241, BF885921, AI123195, BE174780, AI345415, BF911517, BE612556, AI345612, AI568293, AI345416, BF971669, AI654276, R36271, AI590043, AI370322, AI333104, BF763458, AI036901, AI520964, BF911521, AI583578, BG260817, AA761557, AV718258, BG179795, AI690813, AA618618, AI621341, AA814343, BG025897, BF997967, AI539260, AI918677, AW075382, AW085373, BF726255, BE439844, BE966699, AI638644, BE886790, BG257360, AV747571, AI434969, AI538850, AV756182, AI568061, AI282669, AI927233, AW955313, AI368579, BE620296, AL040243, BF970768, BF726231, AW167215, AI811840, AI500061, AW083572, AI419826, AV755821, AL046942, AI698391, BF792047, AV682387, AL039276, BG113299, AI499279, N25033, AA555145, AI744268, AI923989, AI370623, BE965129, AI826230, AW630386, BF725395, AW083573, AI866469, AW827289, AW128834, AI537677, AI580027, H89138, AI699175, AW020561, AW005029, AW263709, BG166654, AL039086, AW020419, BF765551, AL037602, BF835240, BF310166, AI679550, AI8663002, AW959800, BE778453, AA749449, AW168406, BF344359, AI364167, AI635528,

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HDPUH64	300	100033 9	1 - 691	15 - 705	AA481292, AA279864, and M78277.
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HCDCF69	314	100246 8	1 - 1277	15 - 1291	<p>AI524278, AI519903, AI526355, AI527614, BF340905, AA713828, AI458100, AW262148, AI568466, BG164427, BF034879, AW117724, BE620311, AA904657, AW131429, AI609416, AI033969, AW129436, BF689910, AA203178, AI805223, AW769228, BF130147, BF690136, AI805037, BF195173, AA412692, AA724441, AU152123, AI525376, BE885606, BF570214, AI249142, BE964545, AA582240, AU150923, AI025016, AA552508, AI122839, AI077898, AU147281, AA412693, AA827564, AI280970, AA151594, AA582141, BF568807, AI081702, AI906090, AW263533, AW338886, AI445429, BF769848, AA847301, AU159916, AA861986, AA534564, BF694201, AW169690, AA837848, AI262386, AA995557, AW055102, AI538339, AW068673, AI347587, AI021897, AA995739, AI344598, AI134886, AV711206, BG009909, AI810319, AA700365, AW589276, AA704292, AW079730, AI167694, AA293349, AA977304,</p>

1918

HPITW90	315	100247 9	1 - 1273	15 - 1287	AW170624, AW516181, BG117151, AU149061, AU155228, AW502495, BG122631, BE254060, AI673723, AI687960, BF814084, BG024360, HI7924, AW196108, BE746829, R43739, BF824787, AA458536, AA454612, AW408007, AA847697, AA602768, AW514450, AI952211, AW051649, AL039873, AI168473, BF683651, AW500158, AB016794, L20431, I73380, AR066417, AC005516, Z69837, L27416, I23502, A39975, A39976, L28827, I73389, AB016793, AR066384, U24233, L23313, L23312, U18650, and L27415.
HSUBG36	316	100249 2	1 - 961	15 - 975	AI185096, BF103789, AU117205, AU137241, AA733050, BE783499, BE618181, AV757786, AV743769, BF680487, BG027886, AI333721, BF541964, AI148205, AI811087, BE378837, AA987818, AA742752, BF685222, AW952792, BE302100, AA659440, AA732364, AI936096, AW327396, AL048083, AI279902, AI263891, AW440528, AV753064, AI826356, AU126592, AA432012, AU123006, AL048084, BE564318, AI470021, AV704356, AA316536, W45183, BE018474, AA625316, AI185537, AI076183, W80493, BF211327, AA316468, W84630, AW516105, BG030086, AA846523, AI422123, W78758, AW518265, AW084860, BE873984, AA313273, BF837020, AU126555, W91935, AA678021, BF211971, AI436313, AA573309, BE874605, AA740180, AW276292, AA652253, BF836170, BF240312, AA746960, F20803, AW005309, AV755665, AA505968, AA262737, AA643844, AA825665, AA825656, BF130913, BF209571, AA484987, AA657855, AA640115, BF218165, AI630419, AA747022, AW957951, AI630230, AI498286, W87610, AA483708, W84681, AW089021, AI085413, AA715002, W87901, AW817501, W94898, F33710, F36966, AA706906, AA384245, T28438, AW999579, AI349439, AA075194, AA659105, AA782910, AA484859, AA812174, AA075195, AA367098, R58158, AA894871, BG153113, N83465, AI339378, AI340881, AA344740, BF758034, D19829, AI613313, BF906690, AA865159, AA804898, W42658, AI144278, BF837009, BE963193, AV732657, AW162196, M12258, X12466, M37716, MI5918, AC011533, M65125, M65126, M65235, M36001, X12465, X17036, AL033378, AC006599, M15919, X65704, M21253, X54048, S60260, D28435, and C14070.
HODFU72	317	100252 7	1 - 1287	15 - 1301	BF676003, BE076759, BF959556, AI556964, BF362236, BE079009, BE244665, AV701402, BE929112, R18432, R14837, AB037841, AF257305, and AL353807.
HCNSF57	318	100254 5	1 - 1013	15 - 1027	BF974713, AI141674, BF975632, BF338816, BF974359, AW084029, AW190207, BE560989, BF975863, AA402796, AV649126, BF128621, AI634404, BF976229, BE559541, BE562327, BE513271, BE559866, BE560810, BF664119, BE562370, AV651267, BF343082, BE270781, AV691558, BE562037, AI523289, BF128616, BE561313, BE559743, AI820745, BF343658, BF974797, BE561803, AV708819, BF664036, AI435293, BF663927, AA808888, AI963421, AI582211, BE560212, AI620843, AW575358, BE561081, BF976648, BF338856, AV697043, BE561605, AI799354, BE706916, AV688454, BE561129, BE562272, BE561382, AI589372, AV692175, AI573110, AI122978, BE140135, AA896973, BE156144, BE396449, AV693955, AW276248, BE562336, AA994436, BE559999, BE561378, AA558653, BE561302, AI066510, AI478690, AI141708, AI584008, BE561413, AI625973, BE271225, AI687371, BF128831,

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HLHCI46	323	100259 1	1 - 1120	15 - 1134	BE745588, BE734397, BE743824, BE901231, BE744857, W07146, BF111606, BE546841, AI690974, AW088619, AW949727, AW814747, BE900714, AA403287, AI889156, AW814748, AW129598, AI683118, BE207596, AW328600, AI887762, AI610835, AA481380, N56708, AA481367, AI745462, AA436422, AA488506, AI925227, AA424928, AA488375, AA291206, BF854548, AW025142, AA436437, AI193004, AA191102, AA191618, AA425789, AA179594, AW814623, BF854596, AW328384, BE206324, AA429456, N91535, AA429409, BE206635, AI168355, N93766, AA410861, BE019724, N34948, AW173364, AA406034, AA132971, AA635680, AI873874, AA114122, AA902581, AA402655, AW439590, AI014384, AI805735, AW102991, N95256, AA181711, AA235638, AA179386, AA588888, AW945261, R70421, AA937052, BF111064, W24495, AI432991, AI688841, AA453901, AA292794, AW043790, AI742119, AI819826, AI589144, AA182646, AI033708, R35071, AW878037, AI127889, H02585, H02673, N44015, AI083623, AI167896, AI093391, R27127, AA402674, R69440, R24530, AA188983, AI126803, AI796496, AA179593, AI687841, T29279, AI874368, AI874089, AA995647, AI129225, AW005198, AW950250, AI612969, AW016758, AI041739, AA775666, AI198246, AW051259, R35070, AI919412, R24517, BF510671, AA188982, AI806083, R26895, AW024209, AA026820, N29700, AI669245, BF446304, AA669286, AI381870, AA191233, AA033732, AW814836, BF854598, AI868567, AA489419, R26659, R24635, AA114278, AA974642, AA706808, AW814634, AA489361, BF820587, AA191534, T80757, R24620, AI340025, BF445525, BE466179, AI356663, AA626873, M28099, X62753, J05013, M25317, U20391, M86438, M64782, AF061256, AF096319, AF219904, AF137374, Z32564, AF137373, Z32633, J02876, X69516, U89949, M64817, AF000380, U02714, S73490, S73474, AF000381, U78794, U78793, AL050348, and M35069.
HAOSD18	324	100260	1 - 1536	15 - 1550	AL515847, AL534208, AL537762, AL535078, AL521408, AL534660, AL534167, AL519104,

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1932

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HOPJX95	326	100272 9	1 - 821	15 - 835	<p>BE440007, AW328077, BF343657, BF975542, BF306557, BG248771, BF663545, BF205398, BF569420, BF204900, BF971122, BF206677, BF308210, BE270535, AV736487, BF568537, BF343072, BF686553, BF683451, BF568228, BF125523, BE740449, BF568381, BF569600, BF345070, BF205442, BF568081, BE394263, BE740096, BF026397, BE742044, BF974048, BF975645, BE388168, BE728059, BF306011, BG109404, BE727568, AV760278, BF308547, BE899445, BF967484, BE271558, BE746524, BE899041, BF306574, BE395117, BG253032, BF026067, BG104314, BF316008, BE615403, BF183072, BF568460, BE743865, BE745443, BE615771, AV764219, BE391427, BE392514, BF307825, BE741457, BF973348, BE741710, BE392943, BE389334, BE899224, AV763932, BE621019, AI133550, BF304993, BG110091, BE735916, BF972634, BF203698, BE562685, AI830010, BE407743, BF205675, BE395522, BE389095, AI929068, BF684409, BE514858, BG260397, BE408403, BG106500, AV764451, BE390398, AV703321, BE515261, BE255792, BF663217, BE744399, BG033413, BE280125, BE561332, BE384213, BE378445, BE392513, AW196817, BE727789, BE362511, BE394727, AV721219, BE408686, BE907161, AI537251, BE747011, AW516055, BE886992, BE531147, BE394033, BE904077, BE379051, AW328236, BG116376, BE616858, BE906354, BE389096, BF308918, BF668533, BE313005, BF032537, BE900335, BE301975, BE395389, BE745141, BE395269, BE408535, BE791985, BE392446, AV763326, BE746641, BE744523, BE271900, AV763491, BF313406, BE393375, BE904292, AA488252, BE392297, BE315409, BE898707,</p>

1935

HSCLR05	327	100280 7	1 - 980	15 - 994	<p>AI700438, AI796647, AI824691, AI829972, AI865678, AI915175, AI928522, AI969992, AW026267, AW131547, AW198186, AW261952, and AW276716.</p> <p>AW963399, AI609934, D80029, AW102867, BE672203, AI745441, AI472112, AI041677, AW439716, BF092701, AA838613, AA962296, AA828728, R98102, AA834893, H54015, N50938, AA043772, R83194, AI221967, H68772, AA372063, AW900696, R98103, W93231, AI183613, AA371856, AA861294, Z21092, AA431494, AA043771, H54171, BE878252, BE765324, BF683734, BE766646, AA424498, BF092669, and AK000435.</p>
HVVA074	328	100281 1	1 - 1150	15 - 1164	<p>AL517746, BE314392, BF685767, AL517745, BF663864, AL527798, BE901139, AL526086, BE732253, BE730581, BE273465, BG033928, BE274994, BE793389, BE735117, BE736161, BE274909, BF025763, BE797068, BF793676, BE795151, BE276067, BE799798, BF568859, BF797444, BG031038, BE901143, BG027437, BE898049, BE733741, BE731033, BE797663, BE730448, BE904242, BG180030, BF058792, BG036034, BF025707, BE410862, BE618538, BE547475, BE728447, BF568805, BE281217, BE270552, BE791501, BF032884, BF983027, BF679076, BE389168, BE880439, BE409460, BF528780, BE795806, BE275489, BF685111, BE275834, BE880404, BF662872, BF305445, BF027645, BF306589, BG032276, BG025207, BF686113, AW960462, BF568562, BE262720, BE883448, BE785807, BG249555, BF791670, BF686641, BG030409, BE276910, BE259215, BE382696, BF037141, BE794633, BE276938, BE266608, BE389026, BG034257, BE732487, BE276779, BE790192, BE268263, BE909056, BE729122, BE728799, BF128006, BE872841, BG031367, BE900561, BE268310, BE410738, BF854010, BE388364, BF568658, BE018670, BE514363, BF237574, BE886108, BE387313, BF308798, BE267700, BE389685, BE385517, BE389304, BE296678, BG116916, BE618919, BE909775, BE267922, BG231768, BF573426, AA075347, AW954753, AW249908, BE279555, AW247787, BE387389, BE311424, AW674345, AI924518, BE881839, BF854355, BF854139, AA099137, AU150900, BF858145, AW085546, BF858158, AA810641, AI094712, AI983831, BE208512, BE537365, AW848677, BE543319, BG111959, AI121335, AA776475, AW162889, AA768161, AI985750, AA075600, BF127877, BF858133, AW104662, AI587554, AA832303, AW974204, AA827218, AW072974, AW732057, AA782428, AI818506, AI923790, AW073752, AW262769, BF925345, AI094923, AI683905, AW512935, AI289229, AW305043, BE042722, AI276197, AA806259, AW512367, AI493600, AA569388, AI346741, AW475015, AA946821, BF515131, BE798771, AI432816, AI263880, AW302618, BF063047, AI744754, BE939146, AW439553, AA629031, AA009635, AW007234, BE350557, AW674453, BE336843, AI538381, AU149699, AI274098, AW966999, AI440437, AI799716, AI127260, AI799164, BF303754, AA554181, AA554976, AA253120, AA761082, AW089894, AA554583, AI344421, BF962198, AI749787, AW193957, AA207869, AA903212, AI311788, BE538355, AW246180, AA826402, AA631886, AA280597, AA206821, AI300392, AW163603, AA995293, AI245900, AW769752, AI749149, AA847378, AA253380, AA281999, AW575857, AI357033, AA653882, AA679720, AI936832, AA253406, AA992132, AI245858,</p>

				BF217536, AA737504, AA603759, BF115553, AI619611, AA626225, AI197811, AA121655, AI290548, AA845852, AI754469, BE621648, AI916320, BG150679, M20472, X04851, M20471, AL158830, X04849, U91848, M15882, M19260, M19261, X81636, S83456, AF061943, M27260, AF130357, E16086, E00984, I04527, AL117432, AK025099, AF126247, AF130110, AL133558, AL389957, AF262032, AR081734, X72889, AX017991, AL080074, E12747, AF082526, AK025378, AF126372, X59812, AR015970, AK025414, AF119894, AF114170, AL162001, AL050172, AF103804, AR050959, AF254119, AJ005870, AK027260, AF235993, AF118094, AF161413, M84133, AF119878, AF222801, AL080139, AK025356, X69026, AC006112, S71381, AL110196, AK026885, AF155827, X93328, X06146, AB044560, AF116698, AL050143, AK027114, AR068753, AR083283, AL137465, AL133565, AF267991, S66283, Z82022, AF110640, AJ238617, AC006313, AK000718, AF130104, X63410, AL122104, AF143723, E12580, AL133557, A21625, E02221, AK026857, AL135933, A08907, A21103, AL358532, AF132205, AK025339, AL133081, AF167995, S6212, S63521, Y16645, AK026624, I33391, AF093542, AF247674, AF043493, AL133113, AF002672, AF116631, AR022283, T40395, T41243, T64540, T90321, T90411, R00565, R00670, R25339, R26533, R33582, R33686, H18970, H19067, H27745, H27798, H45132, H45435, R83238, R84577, H50536, H67162, H69463, H69869, H81467, H90414, H90467, N24604, N26124, N33744, N53776, N73137, N92823, N98429, W25003, AA009909, AA062687, AA070954, AA070955, AA099193, AA100434, AA113872, AA114226, AA121498, AA129568, AA129567, AA136241, AA148896, AA148897, AA193236, AA232687, AA234536, AA236641, AA463722, AA418595, AA418657, AA492418, AA533820, AA573459, AA574409, AA764840, AA769718, AA811497, AA862908, AA911762, AA934849, AA953169, AI050856, AI080458, C02263, AA219496, AA219497, AA291388, AA291576, AA411500, AA410973, AA421641, AA470065, AA478445, AA634362, AA668474, AA776897, AA853774, AA788900, AA860579, T65963, AA700755, AI270054, AI273071, AI281938, AI308051, AI342033, AI361173, AI361176, AI362443, AI424716, AI499991, AI422672, AI569849, AI423030, AI131510, AI143024, AI651756, AI206072, AI250769, AI590911, AI332622, AI521752, AI682704, AI688438, AI799841, AI866009, AI874132, AI915718, AI917163, AI971079, AW006773, AI989886, AW088989, AW130336, AW149242, AW196263, AW183129, AW272134, and AW338687.	
HVVBI81	329	100312 6	1 - 1033	15 - 1047	BE562883, BE733460, BE731242, BE616471, BF184098, BE614999, BF124993, AW161042, BE732247, AI720002, BE735398, AW963989, AW007333, BF529351, BE614720, BE909977, BG168999, AW001354, BF105923, BG034355, AW163527, BF439955, BF982101, BF698001, BE885275, AW474669, AV763438, AW945186, AW055293, AI608832, AA577204, AW130759, BE885816, BE350922, AA280097, AW517232, AA404292, BE395053, BE273672, AW007233, AA569806, AW769131, BE281579, AI827062, AI127609, AA176848, BE378887, BF341546, AA780006, AI335990, AI141330, AI149137, AA847806, AI031744,

					<p>AI143796, AI160701, AA778845, AA843266, AA099004, AF062723, AA614470, BE076042, AI445696, AI565519, AA468770, AA782115, AI497582, AA552408, AI494523, AA401294, AI375783, AA594315, AA761018, AI082026, AA587002, AI224958, AI858962, AI189578, BF683682, AA699708, BF898334, BF209374, AA568121, AA495906, AA099073, AA159987, BE562957, AA877377, AW945187, AA922449, AA315409, W37385, AA410418, BF439308, AA632840, W81269, W32492, BE075625, AI338833, N55541, AI983955, N36577, W81233, AA495905, H63552, AA714174, R99250, AA844586, AI159852, AI096873, AW579429, AA232999, AA887055, AI262372, N51896, T54995, AI929281, AI368588, BF351353, F36789, N78711, D30894, N62719, AA025552, AA155970, AA773222, AA233045, W37491, H60049, AI143368, AI673563, AA857035, F35505, H63597, AI738830, C18334, AI247757, H67322, AI868458, AW405726, AA406300, AI378872, F32766, T57268, AA232955, R99052, AA470421, H68531, AA155680, BG028421, AA128876, R08423, BF351216, AA457131, AA159986, AI557608, W07730, BF331418, N76927, AA464479, AI867132, AW794300, F22032, BE075384, AW607025, R29484, AI869219, AI381765, AA426395, AI572269, AA688221, BG170967, BG112178, T55161, BE828599, AA025653, AA232947, AA642504, T56637, AW372146, AA340140, T29667, N78443, AW749083, AW885264, AI929356, AW885263, H57775, AA716675, AI022863, R29328, AA411375, AW510785, N73182, BE940670, H57774, W02158, H81432, AI200370, AW969655, AW979030, AI309803, AW979046, D26308, D32143, AC010271, L35045, and AA457132.</p>
HVVBK18	330	100315 5	1 - 1070	15 - 1084	<p>BF305151, BE735037, BE747506, AU142350, AW007738, BF969509, BF237675, BE536135, BE887112, AV762678, AI189162, BF304178, BF685859, BE904945, BE910235, AI831230, BF796121, AU129499, BG028749, AU129917, BE253409, BE383400, BE786396, BF038236, AU126872, BF211966, AW151710, BF794652, AI025755, BE791012, BF308698, BF573136, AI828932, BE791105, AW131497, BE350874, AI680282, BF345258, BF215074, AI581180, AW778828, BE567149, BF103688, AA706900, AA583905, AI185849, BF184091, AU123046, BG113431, BF382100, AW664218, AA737763, AI338605, AI672800, H97858, AA479594, AA482100, BF242491, BF107188, BF215495, AI262005, BE865968, AU127161, AA443583, AA480133, AA393815, AV662236, AI002710, AA722765, BE536238, AI831666, AA477032, AU151980, AA878562, AI142353, AI689584, AW276192, AI567125, AI015877, AA862947, AI580858, AW993389, AA284572, AA862518, N35547, BF928258, AA492405, AA284877, AA152127, AA131821, AA476920, AI833193, N28814, AA243320, AI243915, AI304511, AA293499, AI342052, AA132004, AA293112, AI140958, AA443648, T56244, AI281588, AA453009, AI863847, N53065, AI186249, AI312511, AA761708, AA865831, AI272898, AA131997, N44572, AI206382, AI220411, AA490063, N23342, AA962083, AA150044, BG059293, AI591408, AA534684, AA630630, AI935160, N99371, BF573103, AA477433, AA669307, AA393918, N26856, AA865189, BF941869, BF673621, AA099578, AU149842, AA774040, AV721930, AA912358, W39527, BE247542, AV741784, AI766710, AV755538,</p>

					<p>AI025557, H96778, AA150121, AI028641, AI832740, BF306716, W15414, BG257198, AA398206, AU149647, BF765307, AA878090, AA916218, AA826985, BF131025, H79091, AW026984, AV735966, N71988, AA833515, AI127245, AV760892, AU119782, AW379902, BG006074, AA772963, AA669323, AA399096, AI147346, BE245986, AW627799, R06791, R34078, AA737015, BF841463, BF326591, AV715148, AA470620, AA263115, AI902675, AW439196, H96331, AA664933, AA730617, AA199928, BG113662, H26509, R34077, BE908471, T56387, AA375860, AW262878, AI301668, H47214, AA489908, BE696171, T98663, H47117, AA150029, BF341798, AA582630, AA365888, AW951549, AA354108, AA304828, BF355610, T98719, AI351714, T46947, AA353826, AA649575, AI186428, AA385345, AA558021, BF819254, AA243319, BF934697, AI066528, T46948, BE971394, BE535580, AW197923, AI673807, AA502983, R24695, BF667213, BF696052, AU076967, H37829, AW362129, BF664847, BF772902, AW903447, BE938645, AW903384, AA199858, AW882107, BE835971, AA091551, AA131831, AI022011, H37883, D26599, D21799, AF060090, AL354864, and AL157951.</p>
HOFMS19	331	100322 2	1 - 420	15 - 434	<p>AW629632, BE906747, AW238814, BF244456, BG035566, BE896159, AL523247, AL526987, AW161580, BF034231, BG110736, AL525505, AA594515, BE350096, N74741, H91423, N35197, Z72000, D83745, D64110, AP000432, AF087037, and AP001670.</p>
HSCLM55	332	100322 4	1 - 1080	15 - 1094	<p>BF036860, BE874607, BE613153, BF131283, AW024416, BE218012, AW662566, BG033319, BG178742, BE677139, BF038607, AW992000, BE697884, AI421202, AI434791, BE857176, BE858592, AW960360, AI309982, BF752463, BG122649, AW572665, BE697883, AI769534, BF432791, AW473625, AI393963, AI378930, AI492647, AI769524, AA953114, AI380180, AI420285, BE884521, BE697886, AI805717, BE697879, AI077552, N26060, AI678958, BE205797, AW627557, N40424, BE790024, BF110838, AI190662, AI613423, AA976041, AA581509, AA776498, AI268866, AI291641, AI289100, AI208759, BG113949, AW466940, AA278467, BG121150, AA665834, AI341899, BF940423, AA315414, BF752452, BF823045, BE765726, AI671697, AI961637, AI613432, AA989174, BE813958, BE765666, AA235080, BF438697, BG171186, AV739357, AW802718, AI127470, AA603717, R80986, AI085843, AA235209, AA993834, N80556, AI160297, AA421270, AW863774, AA187209, AI205566, W39334, AW277106, H59979, AA045407, BF752395, T75129, H09069, W52459, AA503424, AW971006, F10405, BE005409, AA421317, W52458, AA723427, AW189559, AA045301, H09070, AA256210, AA503121, BE826023, AA921301, AI819232, BE831073, BE831048, AW956475, AA303086, H23150, H81373, BE831070, H23151, AW593442, BG166357, W15379, AI003129, H57853, H80453, AA587453, F12797, BE831071, AA811971, BE091742, AA379841, R80786, AA737085, AW029021, BF752382, R38552, BF354290, BE150019, T48991, BE831072, BF195285, AA503131, AA256353, F17470, AI424220, BF965507, BE929386, AI431521, AL038986, T48990, BE932245, AI381715, AI424511, AI569722, AA835425, AV757066, AW997044, BE143663, AW337583, BE065144, AA558437,</p>

HETJU23	333	100370 6	1 - 2214	15 - 2228	AW269615, D20475, AW016289, AI795986, AW996815, AW603108, BF3334971, BF3334967, BE784335, BE897879, AV721229, AW881505, BE699148, W07679, AL050215, AF151801, AC004983, D89937, and AX026138.
HNOKB73	334	100448 0	1 - 1202	15 - 1216	AU125582, BF338909, AV721101, AW960032, AU149216, AI479301, AA551070, AI765789, AI888129, BF689666, AW300579, AI561067, AI952933, AA699496, BF851750, AW631269, BF223599, AA977132, AW003323, AA227895, BF056388, BF851745, AW628961, BF851053, AI499649, AA227595, AA557146, AA005279, BF999437, AI124737, W88953, BE139597, AI866470, BF690562, AW392978, BF899427, BF999431, AA524236, AA992176, AI817652, AI933331, AA005195, BF999425, AI381813, BE221278, F36543, AW087421, AW167326, F30327, BF850865, AA953702, AI242910, AA367411, AI363751, BF834497, BE048256, BE708177, AW379838, ZA2044, AI351935, F01568, BG055860, AI691123, BF772332, AI783542, AI131405, W05190, AV702728, AX040389, AX040390, AK022692, AB033104, AL133630, AX040393, and AF200815.
HODFB06	335	100458 3	1 - 748	15 - 762	BF672055, AI828433, AU145153, AI909113, AI831421, AW471345, AI909126, AI922310, AW511425, AW151865, AA861631, AA993238, AI909131, AI688870, AI922300, AI310077, AI620982, AI272867, AW628057, AW057746, AI623341, AW117681, AI267991, AI818511, AA487193, AA291847, AI222864, AW190743, AI914551, AI692825, AW189277, AW304917, AW055334, AI278911, AA661670, AI969389, AI909123, AA894780, BE049422, AI453695, AA911888, AI571659, AI862021, AI621161, AW627585, AI569192, AI624941, AI571426, AA194152, N67602, AA688382, BF857139, AA486838, AA291725, AW263429, AI653841, AW020368, AI453306, AW090321, N64130, AI279927, AI249255, AI926018, BF884826, AW390274, AW294466, AW361842, AI696774, AI275762, N45716, AW089415, AI262331, AI811607, BE939116, BF750734, AW608182, AI624961, BE939114, AA367257, AI687265, AI698996, AA297958, BE937479, AI701193, BF744029, BF858828, R82992, AI909128, AW167711, AW198062, N48994, AI866006, BF882878, BE940672, AW816180, BE818295, AI909134, AA194103, AC018634, AF026692, AF117709, AF140346, and AF012891.
HODJA76	336	100461 9	1 - 447	15 - 461	H99646.
HODJY60	337	100462 5	1 - 2212	15 - 2226	AW977567, AA907333, AA814897, AA836609, AC005567, AC002565, AC005480, AL356299, AC005520, AP000066, AC073593, AC005736, AC002394, AF196969, and AL121890.
					AL515853, AU133237, AI654122, AU126018, BF058308, AV725133, AW183152, BE671606, BG253097, AI948488, AI950097, AI927294, AW969418, AW275334, AI076608, BF940262, BE535180, AI417857, AI952810, BF959274, AI417041, AI420844, AI379187, AA723579, AA913702, AW394103, AW949335, AA393920, BF979295, AI093193, AI313185, AU129447, BE253357, AI017439, AA313310, AI590307, BE890745, AI346472, AA962778, AI276140, AI985266, AI336030, N98729, W96013, AI299081, AI092621, AA233883, AA232829,

					AA781239, AA622011, AW072156, AA393816, W94867, AA609830, W31110, AU116848, BF819291, A1082414, AA314016, N51280, N56619, AW291732, AA776847, AA455083, AA493714, AW394076, A1468453, AV695898, BE168785, N36233, AA731537, A1870707, T86928, AA235859, AV647197, AW752864, A1640207, AA429798, BE865766, A1640206, A1082534, H98542, A1569628, AA027841, A1569818, N99968, R92374, A1205830, AW851013, A1379354, A1245327, AA480260, A1732762, A1002565, AA865045, BF212369, A1351016, AW086045, R79060, A1701728, N29663, T10195, H13610, AA027906, AA858240, AA385768, AA146905, R78751, R42309, A1473130, A1470964, A1914661, T67643, AW379568, R79439, R79440, H60159, R16364, A1572204, T81369, T81368, T79138, H98568, R34819, A1868283, T87007, T10194, R34708, T81696, BF376256, T78651, AA558922, C21521, BF358554, BF358559, AW995536, T81484, BF803137, BF358570, BF527611, AA916657, AW365960, AW387409, AW365962, AU077288, AW191737, AW805831, AW496790, H13241, A1291610, A1686163, AA911580, D31095, AA226320, A1302576, BF588761, D31161, D31474, AA662158, F27660, A1091013, AA406478, A1866679, A1357567, AU143828, AU154607, AU151560, D31031, A1122554, AA452028, AW874359, AW975085, AU473972, AW169600, F36093, F37355, AL515852, D20919, AW439053, D31309, A1360390, A1475944, AW468490, AU149562, AU156455, BF352364, BE702458, AW394081, BF821859, AA905362, BE220171, BF756901, AW496791, BF326825, R92373, BE327258, A1273552, AX014920, L28997, AK001489, X76920, U12402, AL133620, AA253087, A1279963, A1640198, and A1767022.
HODEF10	338	100462 7	1 - 593	15 - 607	BF799949, AV719557, AW973490, AW978634, AW966032, AW949656, AW973474, AW966059, AW959597, D80188, AW975613, AW959136, AW973482, AV699447, AW966029, D59859, AV720533, AV718489, C14389, AW956397, AV720616, AW973307, AV722801, D59927, AW975618, AW949642, AV718707, D58283, AW959202, D81030, D51799, AV720211, D80253, AW959799, AW966053, AW966531, AW978661, AW966386, AW960553, D80166, D80043, AW962082, AW959570, D51423, D59619, D80210, AW966075, D80240, AW973330, AW966065, AV719822, D80212, AV718692, AW958993, AV699550, AW949629, AV719324, AV718938, AW960465, AV718633, AW975605, AW966399, AW973488, AV718931, D80391, AV720878, AV720731, D59787, AV723927, AV699866, AW964488, AW959628, AW973334, AW966534, D50979, AW966022, AV723097, D80227, AW966013, AW960473, AW965177, D80022, AW966041, C14331, D80219, D80195, AW958992, AW973445, AW975621, AW978648, AW949631, AW949643, D80196, AW949618, D59467, AW965175, AW965163, D80164, D59275, AW973541, AW966030, AV720791, D80366, AW966054, AV720203, AW964756, AW966050, AV719188, AW966062, AV718440, AV719783, AV720028, D59502, D57483, AV719468, AV718800, AW965185, AW965197, AW965196, AW973485, AW965184, AW962395, AV718844, AV720464, AV718770, AV724520, AW959062, AW964477, AW956434, AW949641, AW964468,

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HODFB03	339	100463 1	1 - 775	15 - 789	BG034836, T75233, BF572603, A1557036, BE697488, AL513776, A1216670, BF747008, T10253, BF745947, R61073, BE843957, BF746454, BE769157, BE766105, BE714429, BF744295, BE765690, BE766038, BE766098, BE766167, BE714404, F12922, BF745931, AA434502, AA465014, T05292, X74331, AJ011607, D17385, D13545, and AL121958.
HPMLN08	340	100463 2	1 - 1380	15 - 1394	BE709782, BE832694, BE709778, BE707630, AA430593, H80277, H80291, A1652995, BF383125, AA193566, AU158293, BF747189, BG260723, AA243826, AA491960, AW063724, BE222441, BE502344, AA164268, BF196258, BG170263, BE932825, AA508073, AW294783, AU155794, A1819266, BE169617, A1468739, A1082255, A1417116, AA385339, A1382168, A1701563, A1031661, A1436306, AW576939, AV715887, A1709346, AW195764, AW044458,

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HODEH08	341	100463 3	1 - 364	15 - 378		W44489, BF344927, BE385927, BF683337, AW406647, BF214121, BF671254, AW248978, BF675993, BF791283, AI083656, BE783427, AA340719, BF038972, BF907681, AL523352, AV697332, BE791818, D31255, AU127744, AA370162, AA488592, BF027044, AL523351, BE513340, BE270073, BF446423, BE397826, N27234, AI582770, BF095260, AA410725, AI817900, AW799742, H29999, AA331358, BF675835, AI580242, AA358813, AA370640, T97410, R07253, BF210442, AW248314, N33990, N25001, W56853, N33751, AA360045, AA371439, N28848, AA344067, BE813738, BF680023, N27913, AK001410, AL136131, AF114816, AF114817, Z59378, Z64078, Z64079, and Z54696.
HEGBF25	342	100463 5	1 - 1333	15 - 1347		AW960487, AW170566, AA463471, AI590283, AI479619, AI356285, BE671701, AA443030, AI279424, AI475890, BF948785, AW105033, BE646579, AW469714, AA282026, AI870381, AI692574, AI357242, AW135396, AI306543, BF929181, BE856482, H24386, AA055932, AI125211, R60550, AI934615, AI979010, AA902204, AA557305, AI860938, AI566567, AI420407, D31141, H24399, AW136075, AA913241, AA055381, AI251746, AI249885, AA722942, AA328301, AW204848, AA748866, AA324275, AI698815, AA524094, AA729225, AW206983, AL041606, AA902634, BF091853, BF086880, AW137312, AL041448, AA865160, AJ009770, and AF069736.
HODJB51	343	100464 3	1 - 441	15 - 455		AV761433, BE328286, AV658560, AA468371, H52948, AA297662, AA419107, AA419014, BE545345, AA904211, AA313075, BF927768, AI268019, AA194858, BG057757, AI344962, AA644571, T74524, BG169404, AA468505, AI801563, AV754716, AI887235, AV720672, AL096791, AC008745, AL022238, AC009477, AC003982, AC008989, AC002477, AC006064, AP000511, AP000167, AC008623, AC020908, AF165926, AI138807, AL157877, AC006026, AL121890, AL109627, AL109963, AC020552, AF254983, AL1354720, AL031662, AC005822, AC011497, Z97985, AL049834, AL136170, AC005399, AL157838, AC005102, AC008753, AL159997, AC002350, AC005829, AL136000, AC004166, AL163201, AP001719, AC004685, AF168787, AL031281, AL031282, AC008764, AL022163, AL133448, AL022316, AL135744, AC010328, AC022150, AC006088, AL160231, AL078461, AC008569, AC006538, AC008372, AL049643, AF111167, AL138752, AC006312, AC005914, AL162430, AL109825, AP001660, AP001711, AC005529, AL136418, AC004821, AC010636, AC002511, AC019227, AL109806, AC011442, AF196779, AC004125, AL031121, AL050335, AP001727, AC020754, AL050307, AC009314, AL137783, AL121748, AC018720, AC004840, AL163249, AC006329, AC005052, AC011895, AC005412, AL008718, AL009051, AC006001, AC005089, AC009470, AC011477, AC005726, AC008784, AL034379, AL133246, AC004033, AC021999, AL109804, AC022407, AC004983, AP000512, AL031291, AC006101, AL022476, AB023048, AL117258, AC007193, AC007383, AL157776, AC010363, AC008521, AC007021, AF190464, AL138832, AC016543, AP001748, L44140, AL139100, AC004890, AL355094, AC004895, AC002302, AL117694,

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HODEC38	344	100464 8	1 - 2163	15 - 2177	AA461384, AI638162, AW974192, AW157286, AA702534, AJ003425, AW161799, AA701970, BE258604, AW162461, AI692285, AW265397, BF110566, AW163084, BE504104, AI126148, AA158404, BF110968, AJ003426, BF436206, T78960, AA573177, AI934177, AW163340, AW161342, AA158501, AW160450, AA476353, AL527124, AL523845, AW385571, BE620912, BF347756, AL524949, BF965010, BF835996, BEG20514, BE392373, AU127111, BE925487, AI207818, AP001759, AP001469, AK026578, AB005543, AB011144, AJ010089, and AK001370.
HODIQ24	345	100466 0	1 - 3410	15 - 3424	AU132377, AU132354, AU137607, AU120802, AV725435, AV725504, AV727393, AI907846, BF431871, AI971541, AW956982, BE542598, BF977694, BF218040, BF194954, BF572088, AU152685, BE468132, AW274295, BF326712, AV728832, AI290910, BF696191, AI458284, AA918601, BF132210, AI299489, AI306415, AA947581, AA042992, W35163, AA779334, AW470321, AW028573, AI625411, AA255546, AA451702, N40098, AA115015, BF431827, AI248585, N24288, BF087866, AW138804, H84453, AA885588, AI637730, AW970127, N32948, BE464747, AI631137, AI638290, AI637904, AW470388, R52158, R85459, AV704648, AW295739, BE719830, AA514606, BE714126, BE813424, T71262, AA708740, AU156698, H50037, AI085037, AA256661, AI587226, BF821343, AW169353, R23147, AA115014, AU151591, AI701772, AA493555, H98720, BF845314, D81437, AA946917, AW168776, D80972, AA368643, N27158, AW805841, AI922080, AA931683, AA977047, W20387, AW130610, AA247897, BE827896, AA962286, AI217571, AI702845, AA975966, AW002803, H49993, AI002410, BE964392, AA042824, AA902321, H84454, AI918223, BE813423, AB037840, AK001495, AX034574, AK001892, AX009324, AX009323, AX009319, AX009322, AX009321, AX009326, AX009318, AX009317, AX009325, AX009320, AX009316, A91748, AI656001, and AI656713.
HVVDD56	346	100488 7	1 - 2637	15 - 2651	BG120635, AA643174, AI621233, AW978320, AI309847, BE813594, BF594198, BF208601, AW080955, BG249103, BG249038, AU154737, AI912367, AI969341, BE813560, AA083478, BF093613, AI249906, AA720586, AA808246, AI375180, BF131476, AA702882, AI356456, AI082207, AW951861, AW026304, AI378093, BF922917, AI275444, AA534350, AI074286,

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HTHDV01	347	100495 0	1 - 2166	15 - 2180	<p>BF343723, AI971257, AI922196, AI810067, AA932024, AW195330, AI207838, AV722680, AI346751, AV758001, AW608044, AV713548, AW073373, AW009706, AI590359, AV717241, AV714666, AV687702, AI891081, AI672451, AV649298, AV722097, AI381534, AV652022, BE220350, BE048347, AI573282, AW874080, AW024264, BF337994, AW874253, AI870222, AV760953, AI685727, AI627992, AW360985, AW607239, AI784604, AI950829, AV652082, AI925643, AI962991, AV722223, BF855049, BE046054, BF691186, AV717072, AV720361, AI885957, AI017462, AW664593, BF526890, AI925005, AA843677, AV693121, AI634947, AW770406, AI697419, AA477579, AW316704, AI248184, AA442759, AV713149, AI801820, AI982678, AI972075, AW662094, AW513222, BF854957, BE840522, AI701954, AV697674, AW276098, AA401957, AI460284, AA932526, AI570388, AI453821, AA662536, AI800205, BF853617, AA922678, AV759269, AI005625, AW510478, AA576407, AV747778, BF853756, AI469437, AI261318, AI799500, AA878863, AI889320, AA947992, AI624670, BE840523, BF854954, AI985773, AA746085, AW022137, AA583463, AA514238, AW750674, BF854908, AI610837, AI623966, BF901154, AA566089, AA507952, AA428304, AW805573, AW794742, AA429721, AW768483, AW518282, AI272071, AW845414, AW873164, BF063059, AI537788, AW024169, AA485546, AI373585, AA745909, AW960245, BF853826, BF854206, AA996237, AA837997, AI268596, AI074096, AA496403, BF678821, BF854956, AW794752, AI557549, N67917, AI659705, AA284642, AA887178, AA280404, BG222536, AA985597, AA496353, BF914755, AI268601, AV758482, BF055969, AI954543, AI278945, AV717009, AI356974, AA505878, AW996924, BF477592, BF724668, AW243755, AA620979, AV755843, AV757256, AW022260, AW022208, BF854906, AW877772, AV656426, AW020000, AV654223, AW372625, AI348684, AV742513, AV756665, AA617991, BE940601, AI630329, AI537593, BF828311, BF913462, H30122, AA777812, AA844283, BF914742, AI244382, AA290764, BE041558, BF829019, BF829005, N66497, AA864382, AA757380, BE813852, N23726, BF880804, AI857753, AI479529, D57403, D57829, N68137, AA631437, AA351062, AV734554, BE697034, BF378599, AA937471, N36944, D57395, BF093861, AI557550, AA975329, AA249247, AL134796, H63166, AV658281, AV656501, AW118330, H27631, R79476, D58166, W95944, AW805669, AW021936, AV744824, AV733262, AV725042, BE176841, BE814031, AV654387, BF828021, AW021706, BF476645, AA618186, D58096, AV749166, D57778, BE929600, BE938157, BF357923, N23730, T27640, D57449, BE174681, AI245094, AW579397, D57757, AA040944, D57518, AI678887, D57468, T27639, AW939698, D58277, AX014320, K00650, I96207, AF111167, X06769, V00727, J00370, AF033012, AI132510, AF061881, M37000, M18043, AB022276, AB020214, AF069515, Y14808, Y15747, AB022275, AF029166, AX010026, S60557, D12551, I24430, AR040781, S65140, T61093, R10192, R10215, T97774, T97881, R13148, R31511, R32943, R33906, R33921, R37053, R44148, R49880, R44148, R74449, R79209, R84834, R85530, R95977, H71003, H71015, H83387, H83388, N36936, N52416, N62388, N72823, N73801,</p>
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HVVDJ95	348	100515 3	1 - 1286	15 - 1300		BE744159, BE735588, BE562290, BE543899, AV703356, AW951513, A1869315, BE397694, BF344590, BE222785, AA147088, AW888880, A1421559, BE048028, AW131473, BE904977, BF593805, A1860630, AA307132, BE693231, BF195558, A1859194, AA554706, BF848110, AA779596, BE671642, BE671636, BE772850, A1817963, AW131732, A1131006, A1131235, A1298506, AW360926, AA132115, M79142, AW085550, BF827911, R32144, AA996236, AA827499, AW961823, BF847182, A1864171, A1810869, AW083177, A1279054, R21586, A1683076, R32143, R49059, A1682910, AW959257, BF340401, N48917, BE764109, W07596, H03637, T32822, AA902240, A1951120, A1302680, AA031941, AA555053, BE502039, AA557656, A1795815, A1874400, AW806659, AW020184, AA318860, A1909782, AA327450, AV655438, BE242543, A1935791, A1702044, A1913289, BF432516, BF848050, AA132349, R49185, R33114, A1948650, F03268, N46415, A1419183, T29712, AA147145, N20886, H19201, A1539258, BF739937, AA904255, A1356503, BE140381, AA348337, AW806516, R62224, H03636, BE220594, A1636387, AW515881, R33262, AW166586, R64601, BE328664, AW016275, AA581451, N78707, A1915762, BG117733, A1540261, AW997810, AW889502, AA319725, AA985516, AW169409, AA319821, BF340433, AL118620, AA348452, BG058342, A1962093, BE719358, AW883253, BE719354, BE885116, BE735840, AC000395, AB037729, AK000242, AK024575, AF295773, I07924, L07925, AF295780, and U14417.
HODIY29	349	100523 6	1 - 2101	15 - 2115		BF850023, AA904772, A1936458, AW328025, AV751671, AW629145, BE695496, BE695579, AW024363, A1198959, BE695471, A1349413, A1341534, BE695595, AW511051, A1218318, A1087061, BE695610, AA609271, A1366723, BE695599, BE695474, A1093675, BE695613, BE296186, H58337, W03883, AA279464, N65952, R91414, H78868, A1630666, R70876, W79400, AW382181, AA362029, BE895116, BF089826, H28788, A1480262, AW117400, H58726, W79513, H80111, BE764221, BF365918, BE068813, BE695504, BE695512, BE764265, BE695494, H63582, H63540, BE764277, T05675, H28762, H66903, H66858, BF365940, BE764232, BE816201, AL079551, AL079533, AA094526, N94211, BE271751, BE768528, A1126895, BE816196, BF331621, BE764248, AA279129, R15357, BE783140, R17312, A W805680, BE545692, BE778796, BE764309, A1783879, AL079534, BE695609, BE774755, BG170522, BE695566, BF875922, BE708280, BE695475, BE695472, W42817, BE815092, BE768557, A1567131, BE695450, BE695612, BE695598, AA091206, AW837053, AU128777, BE816203, AW887482, BF305224, BF918481, BF968385, T77720, AA568428, AF139897, AF001717, AF000114, AB028942, AP000303, AP000304, AP000046, X63071, X63753, X63754, X71604, AL356276, M36428, AF193607, AF193597, S47241, AF193600, AF193598, and AF193599.

HOELP29	350	100535 9	1 - 1308	15 - 1322	<p>AI530557, BE791049, BE618996, BG257624, BE731913, BE886771, BG114069, BG116664, BE856856, BF797021, AI741539, AA877855, AI800932, N32038, BF432001, BE898057, AI694373, AI808071, AA262486, AA903806, AI138931, BG255357, AA468735, AA470769, AI138466, AA954750, AI151371, N29514, AI189798, W49771, AA814845, AI183296, AI357130, W70171, AA280787, W69944, AI186447, W69834, AI499111, BE908525, AI086208, AU129984, BG025691, W69906, H87149, AI469927, AW971625, BG250733, BF325889, BE141551, AL527393, N57458, BE696978, BE696980, AA035645, BE891620, T48534, AI188861, AI160592, AW516114, BE327105, W30843, BF745219, AI619930, BE763528, D78335, AB030700, and AA280793.</p>
HWLFG04	351	100538 4	1 - 1040	15 - 1054	<p>BF309040, BE727908, AW080447, AI813764, AW156901, AI624222, AI954032, BE727602, AW473780, AI861975, AV711593, AW511541, BG117850, BE892765, BE301686, BF941321, BE727148, BE877682, AA669760, AU136925, AA604124, AI186207, AI951492, AI016700, AI125916, AA081009, AI673719, AU160400, BF211379, AA173953, BG033959, AU146424, BG164551, AA666305, BE873924, AA100874, AW304292, AW471151, AW513002, AI580161, AI078833, AW068925, AI811621, AA666358, AA534849, BE786612, AA662226, AI432440, BF732965, AU150305, AI139223, AA130980, AU155685, AA707346, AA724885, AW474759, AU157841, AL120428, AV711263, AI141060, AI244874, N66401, D53110, BE834286, T57109, AI288812, BG104684, AA099214, AU156023, AI537130, AI167469, AW263441, AA173643, AU157341, AA187544, AI357914, BF084240, AA938617, AA632832, AA157933, AV714164, T33607, BE834321, AA807994, AI381638, BF086680, AA634268, AA315460, AA224251, BF086663, AA557374, T90497, AA639802, BG117431, BG118933, AA826543, AA551431, AA282337, BF726089, T69431, BF981803, W28397, AA948655, AI128023, BE727393, AA256923, AI130975, AA565098, BE728536, BG029544, H89626, BF882766, AA872943, T36145, AV748147, AA632190, AV704174, AA330174, AA130436, AI686635, AA130437, AA076099, BF086506, AA729737, AW392904, T92925, W04825, BG253169, AW802882, AA009665, AA356814, AI263840, BF211293, AA070450, BG166290, AA810386, AW392890, AA233580, AI954229, AA041269, AL520247, AA481985, BF215385, AI744430, AA928912, AA731542, AI208724, AA777668, T90593, AA887638, AI559330, AI801006, AW975764, W46171, R86972, W44443, BE928509, C02751, T25894, AI581770, BE168358, AA084634, AA358962, AW392839, AA771848, BE764142, AA894945, BE182212, BE543242, T10776, AW392836, AA394224, AA878485, BG168089, BE163936, AI582590, AA197336, BG180181, AI833003, F35679, AW768788, AW190598, AA398137, AA481889, BF726929, AI826585, R27279, AI557490, BF061257, AV702131, AI766834, AI033007, BF738475, AI811690, AA627813, BF086524, AI241386, AI248407, AW820874, T93041, AW392848, W46535, AU120330, AI096806, BE876198, BE890386, BF913319, AU137916, AI833030, AV751052, F23284, D25873, BF082805, AW852076, AA301281, AW959407, AX014875, AX017985, AF090891, U33821, AF268075, AK000098, and AC004549.</p>

HYAAC49	352	100551 1	1 - 769	15 - 783	AU139442, BE569198, AU135922, C75131, AV718280, AW390194, BE865872, BF240773, BF571465, BF183939, R24772, R14521, BF184986, AU127909, BE380148, R35572, AA385863, BF795902, BG115301, N83156, BE560295, BF243095, BF805901, BG037006, W86403, BE890587, AA322376, AU128221, BE885883, BF218257, AA447000, BE171121, BF240001, BF666929, BE886808, AA496772, BF830589, BF102486, BE548882, BF211322, BE154533, BF434758, AI983937, U87166, AF001628, AF260262, AF006516, AF176784, UI7698, AJ277071, AJ277068, AJ277067, and AJ277069.
HCOOA71	353	100584 3	1 - 680	15 - 694	BG032088, AW674754, BE793744, BE301427, AW001177, BF796457, BE222626, AA676823, AW245046, AT742447, AI086381, BE382943, AI038253, AA631108, AI432174, AV740792, N36161, AI354418, AI138537, AI435564, AA622991, AI432169, AI288565, AA412597, AI298942, AI628257, AA769383, BE731107, BF025815, AA262361, AI333049, AW138279, AA489757, AA426358, AI185088, AW071200, AA678330, AW974396, H81770, AA383464, AA325218, BF663601, AI826476, AI570948, AA758452, AI659519, AW975605, AA953294, AI351414, N94604, AI086406, AI858778, BG222816, AW474212, AI351407, AW328179, AI201546, AA426521, AA649981, AA700598, AA489649, AI085660, T99013, BE770129, BE770165, BE387301, AA827478, BE770154, AI382758, H29471, AW629408, AA852445, AA559102, H99900, F18425, BE018615, AA377901, AA714184, BE792052, BF932098, AW797213, BF898501, BE302202, R07444, AA359193, AI797445, AA639044, BE206518, AA357798, AA648070, BF765959, BF768917, AA094140, N57963, AW361814, AV744851, BG22117, AI745563, BE727188, BE170556, BE407088, BF305624, BE513977, BF129902, BF845366, AI795892, AW363952, U46389, AA357516, AA373724, AI401076, AA357714, Z96932, AF116691, I89947, and AA232683.
HOUFB45	354	100597 4	1 - 866	15 - 880	AI825882, AI696873, AI738563, AW103989, AW613147, AI268306, BE793730, AW770856, BF061575, AW051548, BF739812, BF958201, BE273154, AA858218, AI090497, AI075184, AA815445, AI381954, AI284912, AA235085, AI571911, AI218189, AA885429, AA626489, AA922962, AA424585, AW078477, AI832643, AI743823, AI221668, AI690707, T34988, AA769343, BE348685, AW769161, AI952634, AW452891, AA976512, AA687740, Z40231, AA235212, BE246574, AW572211, BF797899, AI014979, AW603755, T82196, AI766582, AI915196, AW078592, R43900, AI869134, AI524517, AI635964, T35732, N24554, AI866546, BE074731, R43261, T32374, BE265660, AA206547, F01511, AW079587, T82197, BF530913, AA235496, AW450279, AA625573, BF337280, AW979330, N33999, AI312812, BE273206, AA693982, BF927110, AA400118, BF892007, BE874163, BF814420, AW262593, AI471271, BF892003, AI003314, BF904265, BE965707, AI174819, AI344935, AV712612, BG257545, BF934149, AA648447, AB002328, AF072441, Z92546, AP000353, AI390166, AC009361, AF061947, AF308801, Y09972, AF130110, AL049430, AL050389, AF056194, I46765, AF090900, Y12226, AB029066, AL133028, AL133015, AK000502, AK026104, AF151076, X63530, AF114168, AK027114, AK026600, AF175903, AF177340, AK000285, AF124435,

HUSJ14	355	100601 8	1 - 2396	15 - 2410	AB052191, AF202636, Z48796, AK027200, AX015416, AK027137, and S69407. AU125044, AU125106, AU124136, AU132115, AU142302, AU123505, AU128772, BG259270, BG104503, AU127066, BE877587, BF102972, AW961540, AI819062, AW137042, AA218870, AW268435, AU159649, AI914414, BF571164, AW965326, AW021609, AW859986, AW960460, BF667479, AW859994, BF571923, AI290998, AU132875, AI805453, N42226, AA453340, AI143590, AI961984, AW965469, AU133448, AA534880, AA805995, AA478879, AA315171, AA478622, BG250380, H10486, BF910659, AW083409, AI279728, AA022968, AI859003, AW820411, AI971338, W27642, BE940037, R35417, BE940013, AA810040, BE940009, AA909119, R71284, H30337, AI743639, T17061, AW820415, BF913401, BE698731, H97022, BF243145, BF002853, AW604825, R13747, BE174730, AA332955, AA600911, AI086130, T87426, AA330024, AI092372, AJ239430, AA461371, C01331, AI224398, N41982, AW752484, AW752492, AW051138, R14406, AW452485, AI439708, BE694190, T99701, R08328, AA091602, R58882, R16157, AW500586, AI382652, BE934080, AA252088, AI061448, W27426, BF088818, R08381, BF088814, BE880142, AW820413, BF589424, BF229364, BF913396, AI620838, BF088832, R19923, T99096, BF229365, AU154390, AA327941, AA190558, T77110, BF356534, AA738469, BE856271, AI697789, AA588155, AU151002, AU148839, AI086357, N30259, AI624125, AI859524, AA464855, AA946796, AW470143, AU153720, AW368233, R44163, AI183953, AI092159, AI803728, AI418332, BE173781, AI038144, AW022885, AK022572, AK001676, AK001754, and AF052123.
HMCDB21	356	100605 5	1 - 556	15 - 570	BE464861, AI652330, H91834, BE703983, H91879, AA759248, AA769818, AW593481, AA902687, BE972738, AW235775, AI379370, AA974129, AF100774, X57477, X57689, X57476, X57688, and U79668.
HSDEY08	357	100614 2	1 - 1956	15 - 1970	AL537989, AL533695, BG170919, BF972004, BF345100, AW026975, AI937448, AL532622, AI806907, BE378539, BF967058, BG115124, AI869308, AI150559, AW007470, AW149368, AI360337, AI479472, AW411234, AI199048, AI199509, AI300927, BF341774, BF688178, AW511458, BE296272, AI655154, AI652153, BE270387, AI377853, AI609567, AF147181, BE295186, BE270395, AI500244, AW965710, AI878920, T06902, AA354921, AI027477, AF147185, BE295192, AW050894, R72213, BE858989, BF886588, AI703318, F05831, AA077697, AA077739, AA077344, AA076971, AA506828, AW885532, AA357567, AW885629, BE811342, BE773565, AW002991, H30179, AA077004, BE269771, AA077615, BE701815, R73305, AA077477, BF953004, BE811355, BF509539, AF147184, BG149726, BE773538, BE833501, AF147190, BF247437, BF090978, H45089, AA349590, AA077534, AA402202, AA405835, AA402203, AC021097, AC005486, and U66619.
HOOIT92	358	100621 5	1 - 2631	15 - 2645	AL044704, BE271772, BF796439, BE746386, AL044621, AI051986, AA127622, AL046283, AV702820, BG121331, BE746300, BG176577, BE747570, BG035456, BE857140, AA121525, AL044622, BE315418, BF796863, AA046983, AI038252, AL040929, BF431928, BF819832,

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HNORE03	359	100625 0	1 - 848	15 - 862	<p>AC002312, AC004815, AC007792, AP000150, AC006088, AC005520, AC005874, AC010451, AF134471, AL160176, U91319, AL022393, AL139099, AL118520, AL133454, Z85987, AC020906, AC011484, AL133288, AL049553, AC004414, AC008482, AL354653, AC007193, AB020861, AC006480, AC018642, AC003982, AC007324, AL353680, AC004971, AL391595, AC004166, AC002565, AC008753, AC010412, AL050335, AC008101, AC019227, AL078583, AL133387, AL354993, AC006013, AJ277546, AC008664, AF130343, AC015971, AC018897, Z83838, AC005921, AL121914, AL035079, AC002563, AC005280, AL031681, and AL685488.</p> <p>AV700281, BF111882, BE858353, BF509559, AU144292, AI797616, AI911080, AI417220, AW592473, BF509133, BE677749, AW023813, BE465084, AI207263, AA393266, AA398669, BE173478, BG115116, BF792961, BF970768, AL043345, AI909697, BG179993, AI812015, BF343286, AW161156, BF133371, AV702833, AA641818, AW130930, BG105895, AI923989, AW161579, BE789764, AW827206, AI500061, AI572021, BE927769, AW051088, BG113188, BF814527, AL048656, AI859991, AV654374, AL047275, AI525653, AI567582, BF856052, AV757737, AL514093, AI783997, BG058150, BF527014, AV714085, AW132056, BG164575, AI863382, AI783504, AW020095, BF970652, AI434741, AI284131, AW118518, AI702073, BF895953, BE011880, AA814407, BE877467, BF905454, AI249497, AL040694, AV709522, AW162194, AL135517, AI536685, AV650703, AW983783, AI570807, AW071417, AW151136, AL514097, BF814357, AI564719, BE538997, AI620089, AA449768, AI288305, BE86844, AW983829, AI886753, AI933589, AW026882, AI635067, AI923370, AI868931, AW149925, BF924869, AL513937, BF812960, AI537261, AI539771, AI432030, BF812938, BF752245, AI612852, AI590630, AI886415, AI634251, AW148408, AI862144, AI433157, BG029829, BE545500, AI886123, AI499285, BE927743, AI472536, AW168485, BE880498, AW827103, BF812961, AI866090, AI620284, AL039086, BG029086, AI250369, AI445992, AI445990, BG261282, BG259763, BG260287, AI891084, AI866770, BF814420, AI633125, AL046618, AV682575, AW983832, BF812936, AI698391, AI627988, BG036846, BG256090, AI677796, AL079963, AI915291, AW152182, AI640729, AW022699, AW089275, AI582932, BF726207, AI889189, AI521560, AL514473, AI683128, AI890907, BF856017, AI473536, AW008166, AV741327, BF816037, AI824576, BG257535, AV682479, AW162118, AI862139, AI270183, BG033732, BG110517, BG109857, AL119863, BG164558, BF338002, AI815855, AW238688, AI670009, AI537244, BF814450, BG036614, AW834302, W74529, AI525669, AV759831, BE963838, BE536058, BE964614, BE785868, AL036403, AV682787, AW020693, BE620444, AW673679, AI523806, AI623941, AV734318, AI537677, AI971615, AW051059, AV758477, BE546870, AI860003, AI868204, AV735353, AL048323, AV760409, AI919534, AI648684, AI150993, BF245586, AL513991, BG113299, AL048340, AI863321, AI368943, AI624293, AI284517, AW302988, AI889376, AL047422, AL037030, AI345745, AL036631, AI286256, AL513775, AI269862, AI873644, AI440448, AL513817, F27788, AW192652, AI863191, AI802542, AL514919, AW827249, AI432040, BE047852, AI242248, AW083778,</p>
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HPCTS21	360	100631 7			

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HFATL31	361	100639 9	1 - 986	15 - 1000		AI808778, BG054989, BE857601, BE885329, BE881349, AW304934, AW962192, BE712961, AI880009, AI815709, AW163154, AA526969, AI150509, AW161293, AI146808, BE712850, AI088675, AA722187, AI990261, AW451154, BE712843, AW449490, AW161970, AA115532, AI983943, AI492618, BE712919, BF589503, BE712889, BE713004, AW162759, AA719439, M79223, AI804223, BF939296, AW972384, H97676, AA552629, R76719, H41614, D80207, T31248, AI796667, R75663, H13188, H13189, H18312, BF886117, BF762457, W23735, AA115533, AI203992, H97439, D56295, AI832722, W35334, AI432110, AA084432, AW157796, H18170, H40836, AI916646, BF977122, AW083168, AA602325, BF338333, BF131373, AI434123, AW880236, BF726099, AI654105, BF726100, BG029058, BF339019, AI086254, AL118520, AR075096, U05784, AF119856, AL050015, X00861, AF113676, X87224, AL359382, U72882, AI131955, AR059958, AL389951, AL133014, Z97180, AF218005, AF159141, I00734, AB016496, AF217972, AR095619, AL355713, AR095635, AB007812, AF188698, E00617, E00717, E00778, and AF144093.
HE2JE77	362	100644 5	1 - 561	15 - 575		AV763983, AV726509, AV724045, AA484895, AV717042, AA491575, BF665912, AV752886, AV704858, BG171129, BE295759, AV759175, BF212041, AI133335, AW954146, AV718303, BF697058, BF575185, AV716398, BF695081, W40182, W19621, H74259, BF574703, AW959573, AV763693, AV714436, BF747404, AV761405, BG171057, AV760476, AA298804, BF666224, AI929471, AA296780, BE781598, AI815460, AI541337, N29084, N36756, H87040, AW959568, AV738107, BG121116, AA297887, BE513823, BF979410, BF697403, D56475, BE706808, N98570, W31214, AV712776, BE693502, BE513154, BE065121, AA298012, AV716021, AV751542, BE065135, H83627, AV690262, AA298961, AV660329, AA297588, AW371999, BF994508, AA297029, BF214397, BF980359, BF239553, AA297868, AW748993, AA297949, AV712048, AA297436, AW362946, AF121166, BF805496, BE774733, W85999, BE828311, AA257047, BE774859, AV732932, AW576707, AI126303, N77409, AV694284, BF765220, AI086042, BF807758, W21542, BE693520, N79915, BF335710, BF807687, AI885697, BF807695, BF807764, AI816403, BF378424, AA724019, AV722344, AI740446, AI001781, AI880801, H75925, AA412714, AA091861, AA251819, AA489131, AW968954, BE222943, AR051263, AF078848, AF201948, and S54914.
HCBNX87	363	100647	1 - 934	15 - 948		AA195189, AI872284, AW770858, AA195225, AI970956, BE219722, BE856129, BE348445,

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HNTDJ68	364	100648 3	1 - 3266	15 - 3280	BG255574, BF797869, BF688018, AA088346, AL046406, AA626207, AA148554, AW271825, AW771157, AA123367, AA121480, AI123736, AI074017, AA419583, AA250725, AA150178, AA308446, AI470940, AA903233, AA088345, AA055608, N28856, AA253428, N45057, AW770308, AA055472, H27374, BE676183, AI221091, AA993376, AA401499, AA400257, and BG230996.
HTRAA05	365	100651 2	1 - 561	15 - 575	AI742386, AI524073, AI401286, BE361354, BE295468, BE267749, BE513336, AI459535, AI889934, AW962270, BE712449, BE712458, BE695348, BE712281, BF106390, BE560144, AI927392, BF727086, AI160850, BE792824, AW081202, AW029525, AI814545, AA701033, AV703327, AW104087, AI886582, AA575902, BE695412, BE712223, BE712220, BE695398, BE712549, BE695418, BE712279, BE712505, BE712319, BE712008, BE695425, BE712770, BE695432, BE712628, BE712414, BE712498, BE712213, BE712504, BE695389, BE695426, BE712510, BE712170, BE712624, BE712232, BE712047, BE712014, BE695407, BE712104, BE712166, BE695391, BE695427, BE711646, BE712506, BE712331, BE695413, BE695403, BE712285, BE711560, BE712102, BE712622, BE712773, BE712502, AA770666, BE695378, BE712050, BE695420, BE712334, BE695373, BE712544, BE712724, BE712548, BE712555, BE712553, BE712222, BE711652, BE712547, BE712787, BE712108, BE695422, BE712212, BE712103, BE695419, BE712211, BE712421, BE695416, BE695424, BE695401, BE695384, BE711604, BE695436, BE695415, BE711760, BE695364, BE712430, BE712326, BE695429, BE695417, BE695404, BE695431, BE695423, BE695408, BE712231, BE695360, BE712670, BE711986, BE695409, BE712391, BE712668, BE695375, BE695395, BE711558, AA976480, AA767170, BE712324, BE695428, BE695402, BE695344, BE712587, BE695345, BE695374, AW591351, BE695382, AA576980, BE711587, BE712454, AA384751, BE712392, BF726553, BE712100, BE712507, AA687454, BE712322, BE712771, BE695414, BE695400, BE695434, BE712171, BE695362, AI367957, AA687513, BE711670, BE695381, BE695358, BE695368, BE711532, BF112286, BE712160, BE711502, BE711500, BE711535, BE695405, BE695346, BE695361, BE711842, AW079821, BE695377, BE712221, BE712045, BE712162, BE828330, BE695433, BE695421, AA352952, BE695355, BE695365, BE711508, BE695351, BE695383, BE695359, BE695379, BE712101, BE695350, BF837811, BE711614, BE711657, BE695352, BE695376, AW370204, AW510617, BE712003, BE711603, BE828321, BE695392, BE695410, AI460272, BE695393, BE856500, AI309112, AA907009, BE712456, AA411532, AI739011, T71962, AA507928, BE695430, BE828315, BE828313, D60602, BE828312, AA317838, BE712474, AV688621, T81771, BE327944, BE695356, AA662912, BE711542, BE940444,

HMTAL96	366	100663 5	1 - 1821	15 - 1835	AA522896, BE695380, AW071632, and T71693. AU121947, AU133408, BG107816, BF978353, BG167070, AU136479, AI912625, BE787533, AL043108, BF978689, BG118584, BF575979, AW946781, AA541465, BE896118, BF242492, BF673227, BF574674, AI769406, BF573737, AI677825, AA843784, N90942, BF679753, AL133947, BF340046, AI122639, BF338412, AI956122, W58349, BF674910, AW946784, AI146802, AA433844, AV721278, BF213289, AI829684, AI248810, AW148927, BE549681, AI634356, AI693209, AA313329, AV721952, AW015279, AV721448, AW970646, W48807, N33995, AA770568, BF570691, BE046360, AI200909, W52177, BF670447, AW375556, AI925678, AW137200, AW946872, AA740996, AW473986, AA044616, AI088578, BF986183, AI302975, W58474, BF572827, AA176436, BG149747, N36852, AI090980, AW440100, AI814300, BG031130, AW403227, AA846487, W52178, W60313, W60262, BF577093, R80598, N35139, AW080740, BF930195, N46123, BE891377, BG231991, R80597, AA178883, R23907, AI244465, AW027841, AV707552, N36871, AA262561, AA626808, AI127632, R24938, AA158096, AV705840, N46141, AA165152, AA165180, H94816, T28111, H89174, AI523244, BE59497, AW876080, AA885512, N32999, AA042803, AI291968, AW271335, AI374631, AI928012, AI582354, AA905984, AI391678, AA654121, AI470822, AI659820, AU150290, AI435866, AA478972, AI672499, AA782245, AI683540, AI242454, AI963948, AA098811, AW974863, AI970953, AA098979, W47019, N24550, AI656583, AA098926, AI811590, AI346328, AI702054, AI926667, AI565050, AI669676, AW300195, AA626702, AI078689, D20104, AI910690, AA991913, H80964, T70014, BE041620, AI432060, AA329386, F00987, AA677620, AA450363, BE328391, AA100143, R82731, AV749441, AI912968, AI681692, BE219987, N89579, BF575528, R23125, R23127, H83940, AW404323, BF446671, AA730321, BE253861, AA069494, AA808762, AA370257, Z28753, T29433, BF732515, AI365551, AW502459, AA243213, T39145, BF530380, AW795398, AA973669, W46200, BE183279, AA836447, W23989, BF105047, T39150, W17101, BE041692, BE827333, N91885, AA453560, D45259, T10404, N47782, AA091310, AV749903, R23998, T27528, AA165310, AA248615, R23906, AI420657, BF240034, AA809895, R31791, BE006042, AA089814, AV718352, BF447937, BF003074, AA863104, AI095737, BE220393, BG236248, AI420216, AI597664, AI972622, AA523550, BG036924, AI674511, BE673195, BF446200, BE550809, AA913502, AI218901, AI827982, BE674363, AX017503, AC018682, A93912, AL139099, AB031482, M31470, A93910, D49727, AF196993, AF197014, D50264, D49726, D49725, R62747, AA853568, AA916254, and AA969277. AI911957, AW804755, AI862391, BE067582, AI301580, BE067581, BG033220, AW817932, AI591299, R62701, AI590522, AA502683, AL040054, AA634017, BF991208, AW273830, BE261047, AI344810, AW021774, AI590459, BF767878, AW302983, AA579469, AI870204, BE243098, AI345123, BF854038, BF810071, AV710482, AI597820, AW303254, BF832078, AL133668, AA077776, BF925233, H05073, AI345550, AA634889, BF149427, AA654781,
HDTJP21	367	100685 8	1 - 693	15 - 707	

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HISEQ81	368	100694 3	1 - 500	15 - 514	AW901261, AA251070, AW967582, AA663366, AU121481, BF903105, AC007883, AL356115, AC007847, AC009276, AL360078, AC016617, AL035663, AL109922, AL139090, AL121969, AC008085, AC009518, U85196, AF045450, AC006023, AC004707, AE000660, AC026439, AL138718, AF135487, AC004897, AL163280, AL031390, AL133247, AL162430,

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HODFH02	369	100695 3	1 - 603	15 - 617	AW966385, AV700495, AW973541, AV718487, AV720211, AV720729, AV720104, AV719632, AV719822, AV701335, AV701332, AV701248, AV701431, AV701043, AV701017, AV701357, AW966342, AV699866, AW975623, AW973470, AV720616, T06155, AV718427, AV699746, D88547, and AC003010.
HOCPP18	370	100723 0	1 - 759	15 - 773	AI743840, BE877930, BF028625, AW968831, BG171528, BF244687, BF034731, BE738082, BF696564, BG249379, BE262610, AW610031, BF675618, AI168679, BF184298, AW582660, AW610024, AW610015, BF432167, AW582658, AW582645, AI368790, AW582649, AW404414, AA635047, AA977202, AA255745, AW609460, W74224, AI189196, W19875, AA423814, AW873607, AW674957, AA700205, N34074, AW673317, AI693774, BF207680, AA490434, AA811988, AA687682, H59322, AW675671, N25686, AA043487, BE738236, AA384027, AA970715, W03959, AA099633, N91486, AA844086, AW970706, H64607, AW361070, AA576387, AA527550, AI380149, BG180768, BF742317, AI149307, AI139270, BF334168, AA643654, BF965959, AI018593, AA513014, AA101966, BG180833, AI089738, AA419058, AI041791, AW139976, N73897, W74225, AW361045, H70242, AW024571, AA126714, AW271818, AI143332, H82629, AW958804, R26807, BE047049, AA987943, T85639, AI857573, AV687372, N22461, AW268579, AA090516, AW651630, AI244767, AA877283, BE041685, AA426291, BE765584, AA136056, AI819235, N56136, AI241275, T79549, N56398, R26004, AA889245, BG153704, AA641594, AA873098, AA757925, AW879744, AA043488, AK000666, AF150100, AL163279, AF150101, AF152353, and AF150102.
HODFP91	371	100794 1	1 - 1747	15 - 1761	BG253213, BF681335, BF372572, BF679493, AA420666, BF678593, BF327033, AI804263, AV704486, AI275402, N33388, W78024, AI083839, AI337610, T92186, T89120, N23972, BF371272, AA658363, BF370329, AI798226, AA253483, AI216498, AA234181, AI216502, R59949, AA253313, BG105540, N31873, AA225664, T89209, AW593695, AA662620, AA528445, AA513944, BF326921, AL042210, AA179786, AI669285, AW964036, AA352063, AI080345, R59948, AI344783, AA180503, BF891183, AW515141, AW997169, AA225610, BE940088, N98709, AA206457, BG003461, AR070464, and AL359561.

H6EDU06	372	100797 6	1 - 574	15 - 588	<p>AV706787, BE907476, BF026598, AW070517, AV721296, AA156834, AI553893, BE675928, AI288705, AI762669, AW273834, AW024561, AI312660, AI138250, BE672892, AA626719, AA594341, AW974501, AI219985, AW071929, AA828157, AI309908, AI057511, AI268592, AI286041, AI870386, BG222673, AW303596, AA156597, AA812762, AI039165, AI024129, AI089622, AA456739, AI924451, AA989383, AA482452, AI803068, AA417820, AA994692, AI051535, AI801913, AI672921, AI800826, AA494488, AA55184, AI025564, AA954675, AI807763, AW952786, AA862743, AA887974, T98015, AI240669, AA977347, AA972180, AI368505, W24116, AA933043, AI784667, AA934066, AW183454, AI868633, AA907741, AW663428, T86139, AW205935, T89455, AI245098, AA513366, AA515593, AA338859, AA813534, AA115080, BE672891, AI381801, F17301, C03097, AI659028, AA216001, Z42400, N91938, AI913851, AA992249, Z19268, AA365163, AI420340, AI656368, AA648946, AI583724, AA992479, C03931, AA770117, BE185666, AA479458, AV702417, AW964409, AV729376, AW960655, AW954134, AV652001, AV651955, AW963027, AW951270, AV725153, AV706417, AW964585, AW953807, AV702789, AW949478, AW962386, AV709273, AV703790, AW964440, AV709092, AW950443, AW960601, AW952403, AW952183, AW959806, AV656903, AV661704, AV697196, AW952751, AW956075, AV645936, AV709587, AW955723, AV658084, AV692600, AV650315, AV659389, AV697880, AV727613, AW955900, AV656373, AV726010, AV655280, AV660258, AV647789, AV708109, AW959521, AW956474, AV659294, AV727787, AV703146, AV686060, AV725745, AW951239, AV686064, AV660608, AV728148, AV659322, AV726156, AV654908, AV726590, AV656478, AV698545, AV709314, AV653353, AV708381, AV654070, AV660728, AV691080, AW951281, AV702385, AW949802, AV658275, AW955662, AV703669, AV707979, AV658751, AV727003, AV709580, AV725208, AV725582, AV708786, AW957517, AV659547, AW959543, AV727526, AV707155, AV703169, AV651920, AV725618, AW954439, AV727510, AV725633, AV707088, AV652156, AV728518, AV702266, AV725577, AV725033, AV706223, AV728924, AV725617, AW954206, AV727935, AV707863, AV725991, AV707304, AV696931, AW964421, AV726619, AW952410, AV703062, AV727822, AV699089, AV705135, AV701874, AW950888, AW962444, AV703501, AV702772, AW954237, AV701180, AW950258, AV707401, AV701183, AV709660, AV704585, AV709935, AV654035, AV707652, AV707654, AV728721, AV707663, AV683994, AV704042, AV654282, AV729220, AV709880, AV697288, AV698290, AV687035, AV706882, AV704847, AV694836, AV697498, AV702954, AV686420, AV694812, AV727238, AV682997, AV696866, AV727126, AV707656, AK026514, AF151894, AC004789, AX047063, AR050070, A62298, AF217994, Y08991, AX047062, A82595, A82593, Z30183, AX047064, U94592, S68736, AX009343, AX009341, AX009337, AX009335, AX009345, AX009342, AX009344, AX009340, AX009339, AX009336,</p>
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HPCRD26	373	100801 3	1 - 1320	15 - 1334		AL522813, AL522021, AL515238, AL534210, AL527634, BE881394, BF967335, AL522812, BG168951, BE547168, BF683070, BE018646, BE251740, AL120106, AA156075, AW007510, AW772448, AL515237, AA557210, W81295, BE970056, BF967686, BF511071, AL5355783, AW161414, AI905116, AA128693, N69846, ZA3685, AW006138, AW274433, BE903335, AW594670, AI521862, AI905108, AW027481, BE302221, W17116, AI695301, AI300237, W93915, AA378300, AW793014, BG180670, AA866170, AA155990, AI655474, BF934862, AW084679, AW264238, BF765898, AI384123, AI357889, AA248880, AI367177, AI918724, AW304833, AI816910, AW264332, AA701939, AW303940, AI285409, AW166173, AW235873, N83196, AW890020, AI565254, F25724, AW384463, AW384462, AI204007, AW384518, AW384495, AA630995, AW384515, AW392814, BE672909, BE156493, R17296, AA055886, BF439599, AA249576, AA772667, AI660862, BE567686, AW384559, AA630973, H77417, AA249786, BF763245, AI291050, AI278942, AA658504, W81238, N98875, AA503728, AI015881, AA261778, AC005915, I89946, and I89945.
HSIEH63	374	100802 7	1 - 757	15 - 771		BF591295, AI223817, BF064033, AI432306, AI732756, AI732256, AI827789, AW270969, AI458391, BE826171, AI820678, BF062424, AI734150, AA487683, BE645984, BF002863, AI073913, AA487468, AI521059, AI906906, AI906910, AI905072, T94990, T94936, AW015443, BE075729, BF512129, AA708803, AI810047, AC004993, and AF106066.
HPASD51	375	100807 1	1 - 819	15 - 833		AW753589, AW959236, BE742519, W32940, W15186, N73147, T82084, AA294934, AA211695, AI905700, BF032776, AA354566, AW837086, AA468796, and AC007655.
HCOQH27	376	100815 4	1 - 2570	15 - 2584		AL536332, AL515984, AU125142, AA639765, AI281923, AU125056, AW953648, BE734342, BG167105, BE794775, BE729038, BG260021, AI372989, BE729258, AI720031, BE677682, AW088074, AW300735, BE789911, BF206718, BE408591, AI768875, BG027265, AU135162, AA482024, AI745443, AA514479, BE046393, AA627864, AI928477, AA528026, BE391197, BE395201, AA846720, BE391155, BG166973, AW104771, BE741552, AW673933, AI017373, AL515985, AA527494, AI215852, AI871626, AW205622, AA045396, BE390376, BF111620, AW612025, AW291747, AW295357, AW087156, AA722864, AI694451, BE076330, AA574156, W07767, BG001290, AI613494, BE515246, AI630897, AW959218, AA866004, BE671294, BE778573, N21002, BE503277, AA436970, AA577399, BF087009, AA485992, AI609811, BE567267, AW594105, BE745288, AW614636, AA987612, AI373242, AA595033, AW602847, AA908276, AA442981, AI261446, AW271584, BE277529, BF224222, AI858763, AW577571, AW297117, AI914132, AI086874, AA946951, AI864703, BE675612, AI365469, AI089624, AA417570, AI205853, W76670, AW779982, AI797948, AW975076, AI801899, AI654944, AI134914, BE275008, AA045080, AA315298, H17040, BE731460, BF868517, AA281453, W80506, BE729487, C06206, AA458469, W72604, H85386, AI261797, BE348343, C05666, AV742478, AW951164, AI500450, BE774706, BE791627, BE796924,

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HNTBU30	377	100817 7	1 - 4084	15 - 4098	AU125982, AW953485, AU125447, AU124785, AW001101, BG110603, BF974285, AL040867, AL040866, BF725360, BE868091, BG104583, AW090092, BG121189, AW190132, AI355864, AW889900, BE378250, AL041116, BE548940, BE256037, BF941323, BF034153, BE547709, AU132530, BG106299, AI651097, AI359516, AW080364, AW383973, AL524978, AW362784, AW753817, AI148869, AI393562, AW675581, AA456283, AU149111, AU132763, AU154232, AU149535, AL046765, AU154467, AA400563, AA706610, AW004969, AW836789, AW836786, AA454671, AW373589, AU154038, AI797535, AI367629, AA400150, AA313215, AI018014, AI288449, D53070, AU148577, AA535371, AW836788, BE813630, AW363230, AA029231, AA029232, AW026702, BF887882, AA453842, AA649925, BF887870, AW605323, AA400176, AI094511, AL040652, BE855545, AW937579, AI421670, AI423472, BF753305, AA233312, BF357897, T09488, BE873172, AA683594, AW628747, BF848580, AI371901, R18421, D53589, AA400392, AA586607, AI453237, BF590559, AA227274, D53194, AW999617, D52887, AA514956, D53211, AA233313, AI905503, AA227283, BE070741, AI683301, T23587, T77686, H91031, BF081251, AI916759, AA322214, BE070726, AA453758, C00385, BE694440, BE938121, D53071, D53128, Z25342, BF081249, AI911435, D53754, AI378143, H90918, AI911691, AI272899, H88808, AW754123, AA916908, AI200242, BE070582, AI270551, H89032, AI424142, BF332451, AW580296, AI955188, AW295174, T09487, AW072241, R42483, R38392, BF842266, AA249047, D53193, AW602313, AW857035, D53127, D53210, AW611973, D53588, BF357733, AI910768, BE858745, BF194823, AI905504, AA005312, BF378122, BF820885, AI307564, AI818299, BE814287, BE814349, BF334589, BE814606, BF378140, AW512399, AW364841, BE825640, AW512554, AB002366, AK024705, AK025689, AK027063, and AF052139.
HCOPZ14	378	100817 9	1 - 1070	15 - 1084	AW934723, H37994, AI498824, H92316, AA426342, AA702719, AI128833, AA994942, BF593832, AA932972, AA808375, AA946572, AA369769, AA594909, AA806051, H20466,

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HODEC78	379	100829 9	1 - 1457	15 - 1471	AA287686, AA207154, AU154168, AA179206, BF959881, AI640238, AU132680, BF194738, BF940404, AW135518, BE742576, AI192959, AI694946, AI523667, AW204593, AW002521, AI356297, AI361894, AI914362, AI300563, AI952850, AI361750, AI768922, AI582698, AI356535, BE772693, BF061364, BE552169, AW013899, H83373, AA018189, BE276307, AW960051, AA749310, BF433855, AA366409, AA769579, H87151, H87035, AI868789, AA464267, AA249429, AI816088, AA471320, BE256470, AW367751, AW391782, BF931655, AI580257, AA101455, BF961680, BE745650, AA973114, U90028, and U90029.
HODEF29	380	100830 4	1 - 413	15 - 427	AW949656, AW949631, AW949643, AW949618, AW949642, AW949655, D80022, D80212, C14389, AW975618, D80166, D81030, D59619, D80210, D80240, AV720211, AW975605, AW966013, AW960454, C14331, D80219, D51423, AV718844, AW966531, AV723927,

D80195, AV699550, AW966075, AW966053, AW966065, AW960553, AV718707, AV719822, AV720878, AV718692, AW978634, AV719324, AW949653, AW973488, AA305409, AW959799, D59859, AW975621, AW973334, AW966029, AV718938, AV718633, AW973474, AW975613, D59502, AW978661, D51799, AW960465, D80253, D80045, AV718489, AW973307, AW966534, AV718931, AV719557, AV720731, AW959202, AV699447, AW958993, AV722801, AW959136, D58283, AW966022, C15076, AW956397, AW962245, AW973482, D80188, AW966041, AW965163, D80391, AW7164, AW973541, AW966054, AW978648, AW966050, D59787, AV719783, D59467, AV719468, AV718800, AW965185, AW965197, D59275, AW965196, AW965184, AV720791, AV720464, AV718770, AW973330, AV720203, AW964756, AV719188, D80043, D80193, D80227, C14429, AW966062, AV718440, AV724520, AV720028, AW959597, AW959628, D57483, AW960473, AW965177, AW959570, AW949654, AW973485, AW965175, AW960564, AW958992, AW959062, AW964477, AW956434, AW964488, AW949641, AW962082, AV699927, D80366, D59927, D80196, AW966059, D59889, AW973447, AV699746, D80024, AV700889, AW964737, AW959582, D59610, AW949629, AW949645, AW949657, AW966043, D80269, D80038, D50979, D50995, AW949646, AW949658, D51060, AV721386, AW965158, AW949633, AW949632, AV701004, D80378, D80241, AW966023, AW753053, AV720812, C14014, AV723097, AW949630, AW959469, AW966030, AW960504, AW960532, AW975623, T03269, AW966032, AW752082, AV718530, C75259, AW960570, AV719049, D51022, AW178893, AV700229, AV720533, AV699682, AW179328, AV699669, AV720654, AW965176, AW177440, AV744690, AW960474, AV742001, AV742667, AV701125, AV701335, AV701166, AV742430, AV701149, AA305578, AV701043, AV701332, AV701017, AV701248, D80134, AV742048, AV701431, AV699866, AW964468, D80248, AV720150, AW973490, AW966386, AV645389, AV645344, AW964532, AW966397, D81026, D80949, AV701130, AW973465, AV701419, AW378532, AW964766, AV701154, AV701422, AW962395, AV719628, AV681510, D80251, AV681491, AV699652, AW178775, AA514186, AV720616, AW966049, D51250, AW951169, AW949620, D80133, AW369651, AV700159, AV701443, D80064, D80268, AV720755, AV699479, AA514188, AW966560, AW966368, C14298, AW753041, AV645343, F13647, AV742022, AW178762, AV701357, AR018138, A62298, AX033851, AR070327, A84916, A62300, AX027925, AJ132110, AX047063, AX047064, A67220, AX021518, D26022, X67155, AX035434, A25909, Y17188, AR008278, D89785, AX020191, A78862, D34614, AJ302649, AX020190, AF058696, AB028859, AR077702, AX047062, D88547, AX028130, AR092424, AR087649, X82626, AJ294956, Y12724, AR025207, A82595, A94995, AF260572, AR060385, AB002449, AR008443, AR074545, AB012117, AX015396, X68127, I50126, I50132, I50128, I50133, AJ287395, A85396, AR074141, AR060138, AR066482, A44171, AR088705, AX042372, AR066488, AR016514, A85477, I19525, A86792, A45456, A26615, AR052274, AR074139, A43192,				
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HODFB71	381	100830 7	1 - 2721	15 - 2735		

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HODEF78	382	100831 4	1 - 538	15 - 552	AW872474, AV723927, AV720211, AW966013, AW966053, D81030, AW975618, AW959597, C15076, AW975621, AW949642, C14389, D80212, D80164, AV719468, D80022, AW978648, AW949656, AV718692, D59502, D59927, AW978634, AW966050, D80195, AW960465, D80045, AW949631, AW949643, AW949618, AW966054, D59467, AV719783, AW966534, AW966065, AV720464, AV718800, D80253, AV718707, D80166, AW966531, AV724520, D80391, AW949654, D80193, AV718844, AW966041, D59619, AW959570, D80210, D80240, AW965185, AW965197, D80043, AW966022, D59275, AW966075, D51060, AV720791, AV719188, AW966029, D59787, D80196, D80227, AW966062, D58283, AW949641, AV699927, D80038, AW959799, AW958992, D80366, AW973334, D59859, AV719822, D80219, AW960553, AW965175, D51423, AV719324, AW959062, AW964477, AW978661, D51799, AW949646, AV718489, AV720203, AV718770, AW973307, AW959202, AV718440, AV720028, AV718633, AW959628, AW965177, AW975605, AW949658, AW973485, AW965184, D80269, AW973541, AV718931, AV719557, AV720731, AW959582, AV699447, C14331, AV722801, AW973474, AV699550, AW964488, AW965163, AW973488, D50979, AW964756, D80188, AV718938, D80024, AW949655, AW960454, AW973482, AW958993, AW959136, AW956434, AW962082, AW949653, D57483, AW965158, AW966043, AW962245, AW965196, AV718530, D50995, AW949630, AW975613, AV723097, AW964737, D59889, AW960473, AA305409, AV720878, AW960564, D80378, D59610, AV720812, AW949629, AW949645, AW949633, AW949632, AW753053, AW949657, AW973330, AW973447, AW956397, AV721386, AW966059, AV700229, AW960532, C14429, AW966023, AV699746, AW959469, AV720150, D80241, AW960570,

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HODEL83	383	100832 4	1 - 520	15 - 534	AL138813, and AC004915.
HHPSH76	384	100832 5	1 - 1578	15 - 1592	<p>AI971626, BF940710, AI870763, BF447174, BE676274, AI582352, AI431882, AI161166, AI971645, AV693733, BF000296, BF594148, AI222731, AA937784, AI299178, AI394300, AI439546, AI362722, AI345977, AW072003, AW028669, AA632194, AW205947, BF057452, AW206327, AA972757, AA587064, BE712791, N90856, AI350107, AI298077, BF058455, AW134661, AA825270, N90867, AW028686, AW079385, AI147124, AA460705, BE551298, BF736655, AA746018, BF732395, W16558, AW007772, W16555, AI161086, AI149235, AW340546, AW204428, AI161084, AA988853, AA904256, BE715859, AI368507, AI025216, AW137922, AA808302, AA808603, BE715826, BE670470, H86812, AA639423, H86876, AI700294, AA887551, BF063604, T55756, BE671028, AA853813, BF115406, AW300426, AA858288, AA878930, BF590909, AA853812, AA639424, BF967749, AC006230,</p>

HBGBE52	385	100832 6	1 - 769	15 - 783	AF019386, AF019385, AF177430, and AJ388534. BE002704, BE065136, AW152446, AV734696, T62861, AA584449, AW370854, AW295305, AI539492, AI093863, T62711, AA663693, AA808792, AW371354, BE138955, AI343194, AI251970, M18740, M25718, and U13369.
HBQAB30	386	100832 7	1 - 779	15 - 793	AUI21386, BG024628, AL523997, BF794753, AU137819, BG177391, BG176653, BG259088, BG106999, BG107310, BE265326, BF305474, BF347603, BF796967, BE018909, BE018889, BF797739, BE167696, BF981741, AL039474, BF350360, BE244700, BF869380, AA651690, BF183251, BE778225, BE740869, BE271603, AW474216, D58450, AU124160, AW361236, AW466946, BG107057, BF772633, W27829, AU076945, W26115, BF759430, AW664187, AA570434, BF675704, L12579, M74099, U68542, L43505, AB041595, AC005103, AF047825, AC005086, AF004225, X75013, AC006457, AC002978, and U25750.
HLHCB31	387	100833 2	1 - 2032	15 - 2046	BG250587, AV734294, AW949920, AU125757, BF529108, AW952796, AA443300, BE673024, AI335961, AA738061, AA443433, BE938159, AW513187, AI860346, AW009354, BE294816, AU149357, AW058419, BE042809, BG150358, W40461, N95557, AA418263, AA418366, AI183756, BF983116, N52313, AA620306, AA884462, AI001006, D63258, BE274198, AI400765, N93959, BF886486, AW262034, AW183978, BF765839, AU138365, BE870250, AW183285, N75083, AA377749, AW235381, AI280350, R49967, AI393230, AA249125, BF509213, BF886848, BF887480, AI658872, AI869768, R88859, BF223596, R47440, R47819, BE296217, BF755474, BE707786, AA448501, W24950, AI701222, BF912737, BF757860, H21363, C18194, BF515599, BE168666, N87076, AA339171, D30872, AA091617, AA704660, BF692008, AW138128, A46722, D85510, D86331, E16655, and AF144759.
HPFDV51	388	100833 5	1 - 917	15 - 931	BF508974, AW965115, AI630839, AI741643, AW072035, AW268897, AV723999, D62666, AW072761, AI016072, BF512461, AA344481, C16744, D62943, BF437674, AA344606, AA905880, D62570, AW965114, W60522, F05944, AI915081, AA307598, AV754716, AL042630, AA689351, BF448904, AA429481, AW392414, AI124706, BF883138, AA603400, AW732205, BF769787, AA610381, AI137946, AI471455, AA550959, AW502873, F36200, BF766147, AA132912, AV728369, AI687343, BF742657, H86221, N91711, AI624379, AI282629, AA642809, AV764406, AA828153, AA946848, AA084230, AA578832, T93109, AA228778, AA524800, AI356440, BE868437, AW949694, BG026818, BG026893, C14480, AA508036, AI754037, AA525293, AI568659, AA610826, AI185394, AV743799, AA362349, AI918419, AV734149, AA678950, AA135761, W39287, AU150583, AA654778, T05354, AA385775, AA484892, AA935291, AA468923, BF737749, AA828442, BF853968, AI537800, AI049701, T06828, AW515219, AA666215, AV729669, BE676915, AA483731, AW511778, AA525331, AV764259, AA728861, F26072, AA445951, AW850230, BF913900, AA483034, AW151247, BE143664, AA533054, AW979295, AA371410, N71619, AA483483, AA832016, AA831801, AV762430, AI246996, AA364082, AA598663, AW468349, AA805960,

1968

HTEDY04	389	100833 6	1 - 1291	15 - 1305	AC021752, AC005342, AC006561, AC011469, AC007639, AL022240, U78027, AC005741, Z81314, AC006146, AL391839, U48471, AC005081, AL136369, AC005911, and AC004968. AI927477, BE707023, AI948965, BE466314, AA987287, AI095479, AW957242, AI199425, AI128097, AA448092, AW972332, BF434529, AA447554, BE045361, AI369302, AI361389, AI923806, AA435678, AW972328, AI660309, AI080255, AA054012, N70603, AA837761, AA448073, AW339432, N55490, AA393640, AI863621, W04922, AA447593, N69823, BF361414, N76977, AA057377, AI216708, AA448537, AW243130, AA036760, BE084121, AI675513, AI350467, AW016860, AI265822, H22783, AA508054, R14614, AA383086, BF361412, H80683, T64743, AA379733, AI038561, AA370797, H41174, AA370796, H80646, AA746313, BE791070, BG012707, AI268695, AF006386, and AL034379.
HODEG13	390	100833 7	1 - 516	15 - 530	AA861406, BE160342, AA654837, BF814002, AW877546, AA244041, AW157413, AU143973, BE061421, Z93403, Z92545, AC005326, AC004552, AL360078, AL021406, AL049781, AL136442, AP000515, AL133500, AC006313, AL355272, AL121776, AC005993, AL117340, AL109800, AK021450, AL109853, AC008873, AP001724, AC087085, Z93928, AC016623, AJ229041, AL133514, AC004388, AL049646, AL136981, AL157931, AF036938, AL121997, AL008629, AC007068, Z73986, AC010198, AL353573, AL121950, AC009241, AC004949, AL008639, AC006461, AC005538, AL096867, AC006157, AL354685, AL136133, AL023883, AL033375, AL360157, AC009430, AC005018, AC003670, AC026398, AL160237, AL158141, AL137118, AC006257, AC008127, AC008083, AC008279, AC009308, AL135960, AJ131016, AC007282, AC004554, AL035423, AC004055, AC004911, AL391684, AL035454, AL121841, Z85987, AL158064, AC016607, AC004982, AC020603, AL391666, AL163280, AL391644, AC073572, AC011890, AL359641, AL353582, AL031054, AF002223, AC022274, AL033521, AL132773, AC004052, AC008818, and AC073325.
HHPFK16	391	100834 5	1 - 461	15 - 475	AA306966, AV650072, AV650129, AV651901, AW248211, BE251055, BG257405, BG142261, BF796726, BE252748, BF970072, BE253394, AA587676, AV727695, BE566483, BF979560, N31759, AV689371, BF979663, BF530154, AA379229, AW963917, W32392, BF185241, BE618517, AL523961, BF681293, AV750140, BE748280, AI092258, BE783649, AA281646, BE164637, BE781790, AA523844, AA333474, AL524527, AI733910, H00017, R47258, BE972575, R47244, AA375463, AW304314, AW801668, AL524526, H00071, BF988262, BF683074, BF182646, AA664453, BE842637, BF185407, AI419252, BE388376, AI698340, BE857220, BE673426, AA367629, N80921, AA026486, BE551157, C02600, BE743952, BF694306, AC011477, AC007204, M61870, AC010329, M61866, AC011482, AC008554, AC010636, AF070651, AC008739, U35276, AC024563, AC073539, AF038951, AC003973, M61873, AC078899, AB040906, AC006539, AC008463, AC011494, U37092, AF242519, and U37098.
HARAL81	392	100834 9	1 - 809	15 - 823	AA777763, AI888037, AW954039, AI499427, AI569758, AA573906, AW305026, BF060656, AW778946, BE466396, AW511528, AW069026, AW953867, AW516094, AA526290,

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HFTAU42	393	100835 0	1 - 1705	15 - 1719	FI1519, F09180, AW275719, T39173, BE146711, AI064864, AL041706, BG059523, AW958945, AI090377, BE146744, AI446464, AW327624, R23873, BF918590, AA456937, AA831426, AW575605, AV755070, AA838140, AJ811460, AU152317, AV762050, AA857486, AV760466, AC005004, AL080243, AL096701, AL135798, AC005730, AL353804, AC008733, AC002449, AC012155, AC005288, AP001717, AL021407, AC008928, AC004552, AP000045, AC007279, AL121899, Z83822, AC005324, AC008277, AC012442, AP000113, AP000300, AC010269, AC004890, AC004955, AC010609, AC009311, AC084732, Z85999, AC005065, AL050348, AC004856, AC006345, AC013734, AL121578, AL023283, AL078601, AC007546, Z84719, AP000359, AL136984, AL121886, AC011442, AF207550, AL157384, AC007365, Z84469, AL133453, AL163248, AL158830, U63630, AC006077, AC004762, AL035427, AC010289, AL035681, AC006285, AL157878, AC007850, AP001346, AC009179, AC011479, AL136094, AL034379, AC004987, AL357519, AL121905, AP000556, AL031228, AC022078, AC007956, AL049795, AC005102, AC002395, AL353701, AC016025, AC005081, AL034429, Z68226, AL138836, AL133163, AC008134, AP000255, AL022476, AC004963, Z69705, AK024182, AL450224, AC073148, AC009116, AL109804, AC007679, AP001670, AP000555, AL133174, AC004754, AL121928, AC023490, AC025593, AC007845, AL450226, AP000557, AJ400877, AC008102, AF165926, AC006141, AP000135, AC005539, AP000031, AP001666, AF134726, AL137039, AC005037, AL021391, AC018719, AL136980, AC007954, AC004859, AC020906, AL049758, AC008770, AC058791, AC006120, AC073898, AC006064, AC006483, AF001552, AP000502, AC006561, AL136300, AF045555, AP001712, AL035249, AC005522, AJ295844, AC006994, AC007686, AC006273, AC006557, AC005599, AP000105, AP001714, AC003663, and AC005971.
HETDA81	394	100835 8	1 - 363	15 - 377	AA164850, AI347829, AA164851, AI539038, W87820, T91042, AW103512, AI208103, AI538025, AW959576, BF513984, AI886882, AI827139, AW571976, BE565889, AI557283, AI565180, AI673742, AA827331, AA164745, AW665930, AI862333, BE971469, T83877, AI590154, AW966053, AW975618, AW959628, AW966531, AW978634, AW966534, C14331,

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HODEI92	395	100835 9	1 - 1064	15 - 1078	AW970780, AA292507, AA131133, AW009250, W93698, AA443637, BE326280, AA815396, AA524536, AI131316, AW16422, AW167811, AI989794, AI204695, AI206303, AA235322, AW102822, AA195671, AW104260, AI686439, W93749, AA131081, AA195672, AW367192, AI254818, AW352181, AI611923, AW367188, H48933, AX016191, AX016189, AF088074, AF190501, and AX016183.
HODEB58	396	100837 2	1 - 459	15 - 473	AL157628, AU123801, AW502001, AA247157, AW996782, AW996780, and D86985.
HODEG86	397	100837 9	1 - 634	15 - 648	AC008750.
HODFA57	398	100839 6	1 - 627	15 - 641	AL034561.
HODFB31	399	100840 1	1 - 606	15 - 620	BG036348, AV688303, BF243944, AU125772, BF967928, AL355112, and AK022722.
HTEMP79	400	100840 6	1 - 1003	15 - 1017	BF979841, BF979305, BF979296, BG150564, AI341338, AA910069, BE503224, AA910067, AW340554, AA868285, AA861100, AA917718, AA129040, AL038500, AI221381, AU137865, AU120146, AU125654, AU131460, AU135444, AU120558, AU131110, AU139759, AU138029, AU139592, BE893418, AV714298, AW239516, AV713810, AU135947, AV715665, AU129590, AU138204, AL038186, AU134855, AU134811, AU117756, AU139562, AU134643, AA205818, AU139871, BG168497, AU129389, AI239750, BE613687, BE396928, BF967070, BE618106, AU136621, AA912915, AU126929, BE890856, AU135184, BE907987, AU127952, Z99424, AU134720, AA206189, AW996933, AU136524, AV724976, AW842650, AW842596, AV715554, BE892925, AA205550, AW842656, BF966532, AU119441, AV721305, AU118998, AW842593, AU118558, AW842553, BG152681, BE542111, BF701180, BF671574, AW451940, AI149958, BF512132, AW590832, BE781825, BE568730, AW590222, AU136337, BF574935, BF575983, BF969659, BF572912, AA315719, AA224536, BF671221, BF507657, BF244704, BF222463, AU136454, BE566974, AW390941, AA333736, BF976004, AI637727, BE839049, AI628722, AW385599, AI205669, AA232305, BE504056, AA224264, AI969344, AW842657, AI651532, BF130108, BF673027, AA401546, BE620495, AW952726, BE894917, BE782983, AA769771, BE622263, AA102022, BE812973, AA605007, BF923140, BE177709, Y08713, AV652507, BE243891, AA317641, BG251796, R86883, W40563, AL038869, Y08710, BE177607, BG027535, AA911682, AA400010, T31615, AW860317, BF512166, AW628844, AA215844, AA609369, AA327908, AI205700,

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HODEI59	401	100842	1 - 2194	15 - 2208	AL514246, AL515386, AL518272, AL514286, AL534645, AL513954, AL514758, AL515951, AL517608, AL537938, AL534937, AL535126, AL514245, AL514285, AL515385, BE741801, AL518271, BG030448, BE249894, BE747098, BF969850, BE903771, AI089532, BE732303, AL516353, AU124756, AL515950, BE875530, BE548631, AL135215, BE559611, BE746448, BE617545, BF980387, BG105192, BF304043, BF344655, BG028220, BE876125, BE385482, BE546433, BE613787, BE745667, BF306846, BE872421, BE304378, AI858032, BE910151, BE728945, BG031083, BE044327, BE312769, BF304470, BF220067, BE382790, BF792220, BE888395, BE512863, AW630049, BE264704, BE019419, AW190978, BE873528, BE743867, BF980238, BE272405, BG177540, BF979600, AL517607, AL516352, BF312830, AI133631, AI813951, BE880945, BE909280, BE204948, BF306768, BF037878, BE908725, BE305052, BF309305, BE314389, BE260228, BE740349, BE617021, AI609415, BE019955, BE742883, BE788962, AW630031, BE900814, BE744415, BG037108, BE872160, AI799266, BE872542, BF206684, BF345364, AU137689, BE870455, AU133915, BE075645, BE745513, BE392394, BE276403, BE259523, BE869272, BE281377, AI560720, BE907015, BF475580, AW411260, BE778336, BE904319, AI221781, BG024432, BE514586, AW664141, AW409870, BE512937, AI421824, BE746684, BE268722, BE898529, BE747682, BE295364, BE294227, BE296880, BE743160, BF968080, BE875729, AI803308, AW193912, AA873179, BF219991, AW572599, BE315180, BF036325, AW409625, BF969157, AA442385, AW593276, BE278388, BF681228, BE620528, AI160090, AA129184, AA641152, AI497645, AA074819, AW265036, AA918330, AA514744, AA937320, AA833843, AW076094, BE439500, AA437304, AW338396, BE314832, BE542221, AA559119, AI081179, AA182029, AI339464, BE736401, BE298973, BF690165, AW104555, AA633022, BE167603, AA846480, AI080502, N58404, AU148552, AA977779, AA601895, AA602350, BE206010, AI283493, AA719486, AA777186, BF679880, BE075214, AW971216, AI093386, AA635024, AA878938, AW581739, AU155076, BE872745, BF689939, AI372885, AI150205, AA987809, AU157269, BF736549, AA640960, AI696971, AV699083, BE272492, BE075208, AI188096, AA069710, BE878885, AA598686, BE293486, AA991856, AA922879, AA059332, AW170079, AV711790, AW022112, AW838593, AA631450, AW001861, BF923732, AA553895, AA312746, AI359100, AA523525, BE620924, AA019781, AI024621, BE293768, AI016430, AA019940, AL513953, BF893485, AA808711, AW769946, AI671904, BF924319, AA700509, AA494181, AI986194, AA206093, BF511145,

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HETBR71	407	100934 3	1 - 1221	15 - 1235

HE2ESI7	408	100934 9	1 - 1483	15 - 1497	AI796908, AA042903, AA902540, AA045373, AW663109, AA983152, AA526492, AI708146, AA625776, R82583, R23201, AA046559, AI961811, BG112634, D55818, AI928322, AA452433, AA985418, AA354943, AA382564, R82523, T28227, AA916195, N81192, T51545, BF680901, N22292, AW380569, AA040894, BE042443, BG105056, AW889077, BF807114, AA935289, AL049610, AF095906, and M99701.
					BG111492, AW439786, AW073883, AV719548, AV706176, BF132037, AU143895, BF671635, AU152574, AI925143, AI018024, AA460521, AU152977, BF593938, AI277889, N35236, AI911015, AV720287, AV720565, AV719404, H99645, AA983864, AI539561, AA781828, AI140736, AW474242, AI539533, AI084377, AI367955, N44901, AA860474, AW510585, AI051782, T80249, AI276390, AA460520, AU116935, AA682234, N6333, N66141, AA214431, N98663, BE244676, R38792, AK000874, AF078932, Y10495, Y10496, AF203441, AF203437, and AC007546.
HELHM06	409	100936 2	1 - 336	15 - 350	AW327723, AW674864, AL516842, BE882980, AL532515, BE799552, BE896851, BF984921, BE396422, BF826008, BE799625, BF826769, BF218169, AU077063, AV687313, L14076, and AC004236.
HE2AG50	410	100936 5	1 - 1794	15 - 1808	AI453045, AL528826, AA856613, AI912949, AI739056, BF966732, AI986110, AL519448, AW613375, AI379787, BG032945, AW962214, AI914227, AA582587, BF590115, BF514600, BF680870, AI587526, AI867178, AA505399, AA683551, BF431318, AI078274, AI928459, AU144502, AA766846, AA815041, AI281397, BG170712, AA232560, AW051473, AA523261, BF576501, BF108639, BE242521, AW951858, AI354235, AI039035, BF572328, AI301459, AA126940, AA326462, N70794, AI281454, AA651932, BF574933, AI826813, AA278487, AI349091, AA197245, BF672052, AI700825, BF694355, BF668070, BE247045, BF673072, H43036, AV659423, BF671763, W67786, AI370310, AW631375, W67845, BF966298, AL047459, BF574129, F03536, AI301406, AI630671, BF693378, AA367445, T28398, BG057778, BF790818, BF574845, BF571244, AI525002, AI825974, BE174789, Z20344, BF575895, CI5076, D80522, D59467, D59787, D80164, AV701004, AW975618, AV699866, AI569419, AW964532, C14331, AV718530, D81030, D59627, AV738340, D80366, D80258, AV700159, AW966330, AW753053, D81026, AW973541, AV699550, AV718489, AW377671, AW964468, D80064, AI557751, AV718692, AV718681, D50979, AW973445, AW966029, AW959628, AW958993, AV724520, AV701422, AV720035, D80043, AW959799, D80133, AW960465, AW960553, D80248, AV720878, AW966531, AW978634, AV741191, AW966053, AW973334, AW958992, AW965163, AV720533, AV719783, C14389, AV720464, AW966059, AV720791, AV718440, AV720028, D58283, AW966022, AW966041, D59927, D59859, AW949632, D80022, AW973485, D59275, AW949641, AW965177, D59502, D80391, AW965158, D80253, AW966030, AW964756, AW966043, AV742996, AW960473, AW959469, D80132, AW965196, AW965184, AW966534, AW966075, AV718844, AW966065, AW973482, AW966054, AW975621, AW962082, D51423, AV719822, D80196,

					D80269, D80188, AW978661, AV744012, AW960532, AV741187, AV741198, AW973307, D80251, AW966013, AW973490, AW973488, D80166, AW973474, AV699447, D80195, AW978648, AW964488, D57483, AW949633, AW975613, D59619, D51022, AW964737, D80210, D51799, D80240, AV744662, AV720203, AW966050, AV719188, D80227, AW966062, AV719324, AV718938, AW959597, AV718633, AW975605, AW959570, AV719468, AV718800, AW965185, AW965197, AV718707, AW965175, AV720211, AV718931, AV719557, AV718770, AV720731, AW973473, AV722801, AV723927, AW959136, AW959062, AW964477, AW956434, AW949656, AW949654, AV699927, AW949642, AW959202, AW973330, AW966400, D80212, AW949645, D80219, AW960454, M91432, M16827, AF251043, A74372, A62300, A62298, AX033851, AX047063, A84916, AR018138, AF058696, Y17188, AX047064, AR087649, AJ132110, AR070327, AJ302649, A25909, AX027925, AR008278, AB028859, A82595, AX047062, X021518, X68127, D26022, AX035434, X82626, AX028130, Y12724, X67155, AX020191, A67220, D89785, A78862, D34614, AX020190, A30438, D88547, A94995, AR008443, AR060385, AB002449, Y17187, AR025207, I50126, I50132, I50128, I50133, AR008277, AR008281, AR066488, AR016514, AR088705, AR060138, A45456, A26615, AR052274, AF260572, AR074139, AJ287395, Y09669, A43192, A43190, AR038669, AR054175, AR066487, AR074136, U46128, AR016691, AR016690, AR074545, AB012117, I14842, I18367, D50010, A63261, A85396, AR074141, D88507, AR066482, A44171, AR008408, AR091537, A85477, I19525, A86792, A70867, AR062872, AR093385, X93549, AX042372, I79511, D13509, A64136, A68321, and AR060133.
HE2ES61	411	100938 8	1 - 1258	15 - 1272	AF075305, AW439817, AW439844, AI493164, AA203275, BF690753, AA533476, N31463, AI435348, AA838687, AI334356, AI282866, AI823812, AV719236, AA507026, AW138875, AW236781, AW996877, BF445452, BE673101, AA035519, AW118716, AA219612, AW194890, AA737528, AA453621, AC005034, and AB026911.
HE2SO43	412	100939 8	1 - 1107	15 - 1121	BF345442, BE745400, BF002361, BF591185, AW006311, AI740645, AW972577, AW190738, AW872945, BF590839, AW515791, AI337338, AI623327, AI160758, BG055059, AI146399, AI955183, AW130008, AI380399, AI375011, BG222460, AI539558, AI217110, AI371688, AW615545, AI360696, AW004738, AA885332, AA506508, AI264485, AI356161, AA280731, AW873997, AI479723, AI471972, AI077764, AI356162, AI472175, AA557465, AW007779, BE463808, H29892, AI240814, AI521518, AI356160, BE827863, BF215793, AI419525, AW248081, T23536, AI424657, HI7888, BF434314, AA877639, R96881, BF000404, AI934283, BF510867, BF588477, R96880, HI9299, T88997, R72799, AI370746, BF806860, D45762, AC006547, AC000083, AC000097, AK025106, X56044, AC003060, and AC012526.
HLHCI07	413	100940 3	1 - 517	15 - 531	W31456, W52407, AC005410, AC020744, AL445249, AL132821, AI035652, and AC016925.
HTTBR65	414	100941	1 - 461	15 - 475	BE314959, AW411287, AW411286, BF304101, BF976822, AW411455, BF344411, BF333991,

	4				BF571534, AW367868, BF809505, W93139, AA010506, AF095890, D12765, E06025, U35622, U18018, and E06024.
HPFCV71	415	100945 3	1 - 661	15 - 675	AW028647, R31337, BF892076, BF892569, AW816131, BF988799, BF993589, BF990226, AA224815, BF773356, AV732057, BF992718, AV730440, AA565911, BE464585, AW301855, AI281622, AA523719, R68706, AA640823, AW023376, R31595, AW835334, AA728954, BF992721, AA362440, BF992720, AA640563, AU147781, AA935827, AI318304, H16875, AW968193, AW850985, AW162314, BF821112, AW162332, BF849123, BE974024, AI268491, BF917144, AA985194, AW407007, AI909640, AA833828, AW953071, BG255923, AI625175, AW572713, AI345146, T47429, AA015948, AA112864, AU146575, BE880448, AW080772, AW157173, AA878955, AW973825, BE246411, BG260565, AA932787, AL537432, BE706737, AL537956, AV720475, F23268, BE312650, AW962187, AA984920, AF178081, AC006077, AC010519, AC007619, AC005730, AF023268, AC008745, AC003693, AC016027, AC004797, AC016830, AL163279, AP000031, AF121781, L78810, AC008635, U89336, AL080243, AL022315, AJ006345, AC034186, AC010091, AC022404, AC026161, AC004973, AC083863, AC005484, AC005049, AL021807, AC005519, AC005759, AL031848, AC007899, AL162424, AC022150, AC006006, Z83844, AL162505, Z97056, AP001714, AL031281, AC010463, AC005057, Z49155, AP001629, AL121928, AC005763, AL133458, AP000556, AL136137, AP000552, AC000353, AC010422, AC023490, AC005668, AC006345, AL136179, AC004448, AC009194, AC005412, AL031588, AJ009615, U85195, AL078460, AL135787, AE000658, AC005822, AL139342, AL035071, AL008582, AC005058, AL122001, AC018644, AL009179, AC007384, AC004634, AL031767, Z93015, AL049838, AC019210, AC011475, AP001748, AC005288, Z98036, AP000558, AL109797, Z84477, AL121653, AL049872, AF205592, AC000134, AC019183, AC007389, AC006057, AC005620, AC010311, AL035658, AL133240, AC008276, AC011480, AP000557, AC006285, AC005231, AL033378, AC005066, AC010458, AC011811, AC022148, AC005516, AC005844, AL022165, AL109935, AL353748, AL117258, AC005940, AL133353, AL391259, AC010527, AC004254, AF205588, AL158040, AF146367, AP000131, AP000209, AP000248, Z99716, AL035417, AC004087, AC004552, AC008733, AC010618, AC007969, AC011493, AC007386, AL023575, AF088219, AC005911, AL136120, AC004234, AC005043, AC004890, AC026776, AC005829, AC006337, AL117381, AF134726, AC004638, AL133227, AC011465, AC007956, AC007226, AC011500, AL035495, AC018751, AC009516, AC005913, AL022238, Z74739, AF165142, AC008543, AC006023, AJ277546, AC004024, AL031228, AL135844, AL161672, AC002107, AP000228, AP000140, AC005052, AP000088, AP001694, AL033529, AF111169, AL136418, AC012309, AL121586, AC004915, AL079342, AL136172, Y18000, AP000703, AC004991, AF196969, AC005695, AL138960, and AL122014.
HCABR46	416	100947 9	1 - 869	15 - 883	AW131143, BF343353, AW166982, AI922723, AA769108, AW084960, AI076939, AW189314, AI971285, AW190185, AV701548, AW103994, AI885578, AW167989, AI859425,

AW273318, BE858229, AW103531, AI687025, AI815064, AW872740, AI887599, AW473089, BF793300, AI634376, AA613656, AW085668, BE208322, AI284232, AW272535, AI580226, AW674771, AI758714, AW873017, AW102937, BG060158, AW130895, BE513212, AI744795, AA485335, BE464581, AI077344, AW4677350, AI453759, AA662083, BE207926, AI60446, BF964567, AA485528, AI673587, AW951888, BE275026, BF572024, BE940753, AA932540, AI547316, BF338825, BG165219, BE545063, BE562117, BF340056, AI660299, AI680231, AV747973, AA099852, AI819676, AI347214, BG177274, AI360433, AV762928, BG177057, AA769762, BF971297, AA827002, AW381802, AW381808, BG032537, AA635998, BF514764, BF978915, BF307153, AU126209, BF338419, AI475522, AW474819, AA974186, BG171175, BF796766, AA932698, BE383918, AI547315, AI631419, AA576781, F20462, AW873736, BE389612, BE926397, BF203853, BE150943, AW394192, AI884333, BE150996, BF813305, AI266687, T47132, BG252592, BE151249, AI914926, AW885482, AW130809, R54786, BF308261, AW372362, BE868309, BE385258, AW085843, C01770, AW392791, T58370, BE262811, T47131, BE010487, AI284877, AI537745, AA974427, BG166304, BE311504, AW439296, AW391615, BE294146, AW392770, T69376, F37677, AA317949, BE150893, AW050884, AW883205, AI690506, AI612866, AI282235, AA485371, T58420, BE018877, BG248153, BE019142, AW883743, BE826138, AA485492, BF662869, R54976, AW392430, AA582345, AA303595, AA299677, AA568373, AW796686, AW083669, AW087282, AW075780, AW105580, T69301, BF378307, AI915084, AA335651, AW793114, AW793115, BG167629, BE272745, AW793107, BG236213, AW793141, AW793104, AV759989, AW972300, AA304122, AW675388, BF742556, AI874164, AW793102, AW793178, AW166667, AW381330, AA641428, AW793108, AW469444, AI814814, AW793229, AW793101, AW793105, AW881802, AI422498, AW605104, BE833011, BF771652, AA662119, AW609707, AW793152, AA515323, AI914688, AW884464, BF350311, AI687588, AW364262, AU126627, AW063904, AV747117, AW387219, AW793151, AI079092, AA349268, AW610497, AW605105, AW394256, BG058223, AW394196, AI745502, BF092169, N88483, BF094069, BF375200, AI554821, AI927233, AW173742, BE832895, AI289791, AI513809, AI952433, AI924051, AI932620, D28137, AI133049, AI133655, AK025772, U95739, AI133258, AL034374, AL030998, AI445123, AR034821, AI133084, AI133070, AL049423, AC006112, AC010077, AL031295, AC006203, AR055519, AI133076, AI122049, AI133607, AC005522, AI122101, AL022315, AI110158, AI133015, AI133608, AC012312, AX041002, AI133051, AK027105, AC010478, AF002985, AL022723, AF141976, AK025772, U95739, AI133258, AL034374, AL030998, AI445123, AC002416, AC020647, AC021068, AC018767, AC027121, AC026165, AC019176, AC009890, AI139383, AC024171, AI133074, E12888, AP001820, AI137300, AB048953, AR015970, AI365335, AC007907, AC004213, AI161804, AC006483, AC007383, AC008269, X66862, AI137712, AF130077, AF090901, AI353092, AC004837, AF207751, AF217982, AX015526,

HCRCB80	417	100948 2	1 - 1000	15 - 1014	<p>AL137429, AC006019, A65336, AF202636, AL080147, AR038747, AC004485, AK026867, AL389939, AB050534, and AL080227.</p> <p>BE270790, BE383962, BE260603, BE727942, AV714102, AI905945, BE260907, BE728699, BG118937, AU140029, BF663274, BE730560, AV715039, BF306742, BE872592, BE884864, BG119519, BG254547, BG033397, BE897234, BE906383, BF213989, BE890780, BE886666, BE729068, BF664061, BE893840, BE252245, BF669215, BF528849, BE905149, BE891512, BG104225, BF207769, BE728783, BG248372, BE388079, BF038595, BE748126, BE870266, BF130113, BF792932, BE894590, BE892383, BE384387, BE743362, BE564177, BE891634, BE733011, BE547370, AV717679, BF102513, BG255970, BE266671, BF026737, BE259976, BE385310, BF026593, BE386351, BE407399, BE277240, BE727813, BE385159, BE409533, AW732973, BE386494, BE274479, BF026137, BE386183, BE296137, BE745173, AV714054, BE730829, BG104294, BE777522, BG104459, AA428176, BG036685, BE222997, AV714339, AI557263, AA700878, AI743584, BE262578, AI743198, BF685382, AI066524, AI188543, BF683073, AV708703, AI589860, AV702432, BE728260, AA868378, AV737768, AI743131, BF675084, AW007795, BG164621, AW025357, BF114637, AW025366, AW085493, BF245736, BE677843, AI497772, AA868669, AV762308, AA947862, AI191406, AW131703, BE613563, BE388033, BE385788, BE730013, BF055482, BF125638, AA885890, AI215751, BE277311, BE390926, BE280636, AA903664, AI241112, BE336882, BE743276, BE270857, BE408649, W58599, AV727089, BE277287, AA775621, AV712159, AA863101, AV764193, AW327735, BE410530, AI041656, AW157690, BF528185, AI123876, AI352438, AI933151, BE409317, BE262204, AI141088, AI346690, AA009600, BE728126, AI918159, AI087107, AA399235, AI039380, AI494377, AI983614, AL037677, BE736251, AI928560, AI376910, AA307765, AA398088, AI422735, AA757153, BG029167, AA864729, AI378110, AI141147, AA621304, AI472125, BE270990, AA745843, BF132284, AW014199, AA398171, AA747250, AI923809, AI491752, AA824365, BF240874, AA526902, AI014763, AI187061, AI262609, AI131312, AI240782, BG054713, AI310956, AI922166, AA860807, BF972839, AI567441, AA576277, BE392978, AA779522, AW005219, AV756988, AA069652, N92488, BE206811, AA206878, AA114853, AI311910, AI913768, BE271114, AI597888, AA099366, AI185009, AI566146, AW161259, W58598, AI479415, BF684876, AA425147, AA114854, AW966966, AA535597, AA465204, AA457720, BE439813, AA101916, AV752801, AA143170, BG251537, AI741464, AA033922, N81048, AA428702, AI866745, AA179183, BF183167, AA399606, AW732971, AA554347, AA480829, AI041051, AA430631, N28986, N70589, AA706843, R72750, AA150902, AA526082, W23545, AA351710, AA354718, AV740958, AI620955, AI129065, AA716689, R72749, AR052511, D50420, Z83840, AF155235, AF091076, AR052510, AF109906, U95114, L34071, AI236665, T64803, R05937, R21834, R32145, R32146, R3254, R50537, R55048, H16667, H26603, H77860, H87453, H87615, N42446, W01082, W02722, W86331, AA005253, AA025417, AA029591, AA031801,</p>
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HPMLW78	418	100983 3	1 - 637	15 - 651	AL538180, H47744, BG105704, T28491, BE787797, AA422141, AA127841, BF088491, AA401304, BE707805, AW368612, AW024390, BE063214, AW949504, BE085870, AU119798, AA091414, BE063168, M31170, M86546, M31522, I96217, AF020196, L27453, AF020197, AB043619, AB043620, AJ245963, AJ245966, AF162696, AF313399, AF313401, AF313400, AF313398, and S82001.
HODJK75	419	100984 2	1 - 626	15 - 640	
HODIX27	420	100985 4	1 - 109	15 - 123	AV738340, AV744657, AV744012, AV742732, AV742050, T48593, T26395, AV681505, AV681504, AA585439, AV699103, AV681474, AV681526, AV681486, AV681464, AW955883, AW955403, AW955893, T03269, AV681472, AW963289, AW953750, AV701136, AV701254, AV701435, AA585278, AV701198, AW960162, AW959372, AW955886, AW949707, AW956977, AV701467, AA283312, AV701189, AW960161, AV701301, AV746179, AW949665, AW949667, AV681477, AV681495, AV701472, AV701436, AV701388, AV701297, AW963961, AV699218, AV699144, AV699170, AV699269, AV699229, AV662317, AV742757, AV742025, AV699136, AV662287, AV699123, AV699224, AV662272, AV699125, AV699203, AV699219, AV699131, AV699182, AV699246, AV662247, AV699153, AV699200, AV662257, AA585378, AV742899, AV699250, AV753956, AV662248, AV699247, AV699199, AV699137, AV662242, AV699223, AV699147, AW962627, AV662225, AV701276, AV701320, AV701173, AV701283, AV701471, AV701384, AV662191, AV701449, AV701071, AV701372, AV701088, AV701237, AV701027, AV681462, AV662235, AV701403, AV662218, AV701410, AA585389, AJ526112, AV745415, AA585116, D51250, AA585325, AA585329, AV662288, AV699204, AV662268, AV701034, AV701132, AV662223, AV662149, AV701468, AV701030, AV681528, AW962603, AV742733, AV701311, AV699098, AV744949, AV681514, AV681512, AV699156, AV699139, AW951170, AW951316, AV699196, AW962629, AV739506, AV701223, AV699175, AV662289, AA585430, AV743048, AV699197, AV645339, AV701059, AV758536, AV740765, AV681506, AI525306, AV698330, AV692714, AV699129, AV662207, AV699167, AV699119, AV739001, AV662196, AV740192, AV758756, AV662302, AV681525, AV735331, AV701451, AV745948, AV662319, AV746382, AV746276, AV701390, AV681487, AV681523, AV701201, AV753656, AW952650, AV735489, AA585327, AR070327, A94995, AX020191, AR031365, AX020190, AR038669, A30438, AF135243, AB005666, A85395, A85476,

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HODJV85	421	100985 7	1 - 628	15 - 642	W63650, AC004975, AR077702, A82595, AR060385, AB002449, AR070327, I14842, AR087649, A84916, AX027925, AB028859, I79511, AJ132110, A62300, A62298, AR054175, AR008277, AR008281, AX033851, AR018138, AR008278, AF058696, and AR016808.
HOOIO38	422	100991 8	1 - 704	15 - 718	AL531631, AI983085, AL527211, AL526194, AI923500, AI819615, BE901824, AI635186, BG122272, BE728419, BG260421, BG109146, BG024689, BE796594, BE738377, BE731685, BG109875, AW516253, BE794629, BF025942, BE391594, AL528184, BE727443, BE736477, BF795001, BF026707, BG028283, BF794434, BG255190, AI590711, BE562472, AL531630, AL518218, BG104271, BF965976, BE274333, AV762986, BE729263, BF984059, AW473190, BF338886, AA737352, BE251289, AV655988, BE871215, BE385375, AU123120, BE537431, BF795361, BE563141, BG179543, BE389545, BE279135, AW102952, AI922206, BE274788, AI564728, AA804870, BF663213, BE294212, BE389212, BE271137, AI890776, BF794711, BE894574, BE409929, AV752081, BE793519, BE280595, BE263958, BG165237, BF663378, AV758987, AI890733, BE410686, BE253511, AI458832, BE900482, BE279951, BE782108, BG116106, BF685318, BE385945, BE409462, BF684482, AI589325, BE900553, BF025688, BG104183, BF965657, AI445978, BE261172, BF975083, AI951212, BG024839, AW780427, BF971859, BG028059, BG253625, AV761980, AI683852, BF663906, BE388565, AI434960, AI499080, BE391963, BF683866, BE407371, BE313286, AI683168, BG033353, BE269180, BE260812, AW571765, BF568157, BE273792, AI432555, BE729573, BF679984, AI689491, AL526345, AW410284, BE391998, AV763312, AW269852, AW149044, BF663343, AI871089, BF183135, BE273288, AV682486, AW130195, AL518217, BE275734, AW239186, BE384226, BG165891, BE898135, BE907411, BE265210, BF440291, BE313877, BE280533, BE260744, BE902943, BE544441, BE251633, BF131800, BF568884, AW104857, BE898978, BE206852, BG260357, BE391257, AW583713, BE397380, AW613264, BE614507, BE280528, AW247198, BG027893, BE786936, BF697381, BF124948, AW327828, BE742851, BE740337, BF664259, BF038698, BE895951, BE390445, BF700485, AA131182, AI635179, AW087993,

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HSDIY67	424	101015 7	1 - 1951	15 - 1965	AL526028, AL526085, AL529838, AL535461, AU120059, BG109937, BE780488, A1871620, AL529837, AA557390, BE779119, BE048954, AW300798, A1983510, A1356030, AA991670, AW026416, A1338588, BE697112, AA670019, BF109571, AA205947, AV682666, A1660386, AA975600, BE697110, R19774, AW961461, AW779506, H27830, AA359481, AA905792, BF927854, Z20638, BF355680, A1381389, A1748877, AA092002, R45193, BF369972, AA317627, AW664962, H27599, A1802448, AA007505, BF352188, BF802323, AA358233, BF802322, AW891751, BE670864, BF511450, AW891686, BG035631, BE267560, BE877499, BF814357, AW020710, A1888501, BF752999, AV764282, A1150993, BE536058, BG031791, BE965621, A1340519, A1473808, A1538885, AW020397, AW949931, BF032768, BG252315, AW152182, AW268072, AW813006, AW268261, AW089572, A1312325, A1612885, A1923989, BE965599, BF753056, BE877142, AV755614, BF904194, A1859991, BE047833, A1345415, BF914297, AV733745, A1312542, A1624529, BF338002, BF798503, AA579618, A1609128, AW935969, AV757996, BE963838, BE176248, BG107576, BE965732, BE966278, BE967187, BE889038, AK021950, AF226056, A75291, AC004383, S60260, A133665, A77033, AL080124, I48978, AK025414, A1119896, A114170, A1299431, A18777, Y16645, AK026642, A1119871, AB048953, A1110196, AF026124, AF090934, AK024992, A93016, A116676, A77035, AF067790, AF130055, AB048919, A1353957, A1221118, AF000145, X83508, I89944, AF065135, AL359583, AX045627, S79832, AF022363, A1119865, I48979, AK025435, AB052191, A1137533, U88966, AC002467, A110640, AK027200, A1049276, A1050092, A1116688, AK026528, A137478, AR000496, A1049382, U39656, Y08616, AK025465, AR068751, AF210052, A1119859, and AK026784.
HSDZM65	425	101029 9	1 - 1348	15 - 1362	A1344321, AW194980, AW162622, AW161811, BE695903, AW960568, BF589126, A1701104, AU154426, BE045555, BF033598, AW853100, BF971574, BF814791, A1970794, A1934386,

					<p>A W593616, A W103951, A1041491, AA242841, A1625865, A1434874, AA401314, A1566521, A1290621, A V749577, A W971727, AA401315, B F746337, AA758230, A1189006, A1817795, A1299825, A1990246, A1400410, AA836980, A1926242, AA400271, N40047, A1203327, AA905174, N21388, N27113, A A136709, A A377492, B F970685, B F197098, A1685731, A W995523, B G255683, B F154433, B F815971, N26455, A A714986, A A469449, B F814570, H99346, L44440, B F814320, A W339852, B F815976, B F817808, B F815188, B F814315, B E788737, B F967003, A A635589, B F816840, B F815182, A1434558, B F817686, B F815658, F01166, R52284, A A781063, B F816868, A A830536, A1982710, A W518858, A1687944, A W771192, A A614183, N52724, B F680375, A V757813, A1208492, B E568290, A W276289, A W995466, A1686601, A A854353, A1636039, B F081570, A W770845, N31343, A A136807, A A467778, N68998, A1699561, B F222527, A V751433, A A525819, B F221739, A A317135, A1869288, A A523694, B E328340, B F109122, A A304659, B F238326, A A294835, A W015496, A1811007, A W295210, B F211839, A1743045, A W664342, A W418500, B F669202, B F345830, B F669114, B E768108, B E768037, B E768028, B F831299, B E536835, R38111, B F815223, A B037768, A1136504, A K001684, A J010953, A F181120, A F189723, M93017, A F230532, A F225981, M93018, and A F181121.</p>
HPDOC39	426	101040 0	1 - 1107	15 - 1121	<p>AL518597, AL521465, AL521860, AU142321, AL519163, BE791154, AV710439, AU137468, BG108541, BE875817, BE908178, BE794167, BE616810, BE797530, BG177616, B F791974, BE563172, B F203748, BG122611, B F983927, AU138928, B F304118, AU136676, B G256808, BG166547, BE908232, BE900747, B F981499, BE259007, B F984319, B F982660, B F203883, BE89058, BG121889, BE409876, BG028149, BE886412, AU135659, BE409111, BE777856, BE396964, BE891193, BE737086, BG252022, A W608289, BG115304, B F303724, BE888387, A W392529, BE562432, BE258634, BE889878, BE269473, A1174700, B F794665, AU134289, BG254012, BE254220, BE252060, B F215570, B F691292, BE295498, BE297846, BE409000, BE259383, BE259293, BG106782, BE780774, B F792473, BE339784, BE269036, B F699793, BE936340, A W978187, B F984873, BE089821, A W392532, BE409484, BE884858, BE872222, B F983743, B F983915, AL044183, BE268220, N28894, B F087516, A A488136, B F800736, B F027913, A A143588, AU139273, A1815968, A W405832, B F674380, H11682, N42210, B F336934, W31775, N56608, N40261, B F810364, BG171478, A A805505, A A101513, A A101590, B F203625, A A085473, A1080684, A A338102, H85230, A W235051, A A552394, A A354823, BE645922, A1375591, A A356478, A A189014, A W392524, A A425206, B F083740, BE782032, H73591, A A159876, BG164729, H73817, A A373687, A A912092, BE083129, B F894997, A A356309, A W892368, A W582387, B F758870, R84501, D60569, W25687, T24902, H49162, A1565353, A W835598, T89376, BG011455, A1128815, BE698610, A A813807, A W582390, A A295075, W04674, N29653, BG117269, A A975223, A W381345, R58308, AL521859, A1445105, BE999943, R85283, AL521464, AL519162, BE813178, T80058, A W837148, A F130113, A B009282, A R052337, A C009032, Y12517, and X96392.</p>

HE2PS15	427	101052 5	1 - 600	15 - 614	BF244650, AW961558, AW248089, AW967334, BG029757, AV701568, BF219959, BF694529, BE791161, BF037860, BF696944, BF678089, AI186311, BF220033, BF219215, AI148765, AI582766, AI806566, AI209154, AI144495, AW305249, AI189759, AI478931, AA569869, BF965022, N30742, AA569868, AI491886, AI038347, AV739006, AI807215, BE391925, AI046958, BE858225, AI936891, AV742894, AW169997, AA742511, AI251732, AV15771, AV717459, BF668463, AI363204, AI057284, AI046957, AW182041, AI827188, AA115690, AA651663, AA978142, W30854, W15644, AA707791, N94563, AW249748, AA654862, N80826, AV764171, AI005595, BE896961, T90621, W31005, AA284212, BF965077, AV711844, AV734517, AA531530, AI132988, AW592487, AV733754, AV727768, BE565651, BG231096, BF245459, AV717832, AV745224, AV744752, AI190937, BE280227, F30153, AA953551, D53844, AV715232, BF216076, H91807, AA134308, N41841, BF244274, AA983553, AA134316, AA134315, AV746231, BE866551, F28648, H87571, AA468556, AA974508, AI066796, AI305827, AA554533, AA308101, AA654533, AW470941, AA548236, AA884280, AI244424, AA903485, AW023614, AA557186, AA864769, AA283903, AA650169, AA081589, AW183938, BE892296, BF679200, F36175, AA084667, AW275122, AI302453, AV739848, BE843421, AV741558, AA746065, F27405, AA907836, AA305437, AA852663, H92083, AA654036, T84144, BF247506, AA279759, T89384, BF209126, AA552449, AA906338, AA972090, AA133509, AA730939, AA626444, N56092, AA865834, AA215865, BG230951, H91708, AA134307, AI420622, AA937615, AW975237, AI040250, AA664941, AV746261, N98724, AV746266, F36194, T24920, AA369378, AW105551, AA506732, T83147, AV754243, N56408, F30237, H03246, AA341970, F18332, AA330234, AA635717, AA836574, AW189710, W30743, AI264957, BE074950, BF831201, AA730937, F18565, AA092677, AW975227, AA664664, AI701784, BF527500, AA665052, AA521064, AA094070, H03245, AA552043, BE693458, AW886065, AI000083, AI128403, BF571166, AI674940, AI200568, N94464, H95707, AA657887, AI038336, F20977, BE673362, AI332537, BF683735, AI674878, L25345, F37912, BF239600, AI336903, AA654565, AF054175, and AF116639.
HTTKH22	428	101059 6	1 - 1790	15 - 1804	BG258097, BE565269, AW970826, BE972364, AW104509, AI935735, AA428565, AA948090, AI149846, AA564462, BE972491, BF241442, BE144496, AA429521, AA741348, AI357926, AW296387, BG150242, AA412328, AI589867, AW205827, AI916262, T15665, AW090362, AI933368, R12639, BF360955, R20539, AI480273, AI698477, BF083192, BF083189, BF083190, BF229315, BF743777, BF083194, BE972369, AA825483, BE767465, AW371194, BE543997, BE768945, BF229316, AB046777, and AC009464.
HNOIG33	429	101069 8	1 - 1694	15 - 1708	AL514076, AU136058, BE871934, BF037005, BE734065, BG121727, BF340061, BE300394, BF203968, BF204799, BE300047, BE538261, AV761233, AW409777, BF805377, AW409668, BF205527, BF816400, BF679197, AV724965, BF206008, BE467989, BF445887, AI903791, AI500392, T64826, AA860771, BG152814, AI382895, AI903792, AW373027, F12113,

						<p>AI740878, H84580, AI369972, H38748, T97648, AA248719, BE5371116, BE711210, BF817487, AI514075, R10203, T97682, AA316821, BF003096, AA339588, AW005868, N42355, H24794, AA364975, AU076536, AV742658, BF155770, BF081246, AA772366, BE677850, W96073, AA095922, AA091703, BF307175, AA324375, U01160, AC000028, U81031, S78432, and AJ388529.</p>
HPDVK48	430	101109 0	1 - 1811	15 - 1825		<p>AI817702, BE734213, BG109696, BF343215, BG031900, BE902597, BF027605, BF027576, BE893930, BF591342, BE732160, BE384437, AI870638, AI816966, BF974651, BE732127, AW082941, AI955901, AI588852, T51227, T51341, BE732330, BE733010, BE799315, AA688018, BF827100, AB029041, D43921, D88508, and D88505.</p>
HNORI10	431	101118 6	1 - 2847	15 - 2861		<p>AUI34078, AUI19820, AUI33300, AUI26958, AUI30520, AUI33937, AV702394, BE877191, BE881502, BE877741, BG108056, AUI19090, AUI28582, BE782436, BE894349, AUI33707, AI755105, AUI16910, BG258563, BE788956, AV683379, BG118247, BE778857, AV702635, AUI37107, BF965897, BG176784, BF976801, BE884018, AW239292, AI081900, BF978507, AW952777, BE875732, BG027117, BE877650, AI755063, BE878670, AV751366, AW949916, AI814464, BF678160, BG108194, BF571686, AW467192, AUI54668, BE535701, AW392400, AA429941, AUI46064, AW410667, AUI55188, AW410666, AW994720, AW952816, AW129607, AI983856, AUI43874, AUI57027, AI922802, BG112073, AUI53845, AUI49778, AUI52436, BE778846, AUI50846, C06050, BG118808, AUI53441, BF211683, AI204482, BF210654, BF217005, AW304738, AA887584, BF240843, BF678567, BF692112, BF571072, AA760671, BF923330, BG250728, BG119747, AA937180, AA504114, AW630580, BF696849, AUI30041, AW055333, AUI45515, C75335, AW237574, BE565110, AUI30502, AI559451, BF572471, BG108209, AW080347, BE176786, BF340233, BF345008, BE737877, BE179704, AA410905, BF699275, AI042306, BF691962, AI752907, AI192876, AI924084, BF349490, BF246432, AA594633, BF794025, AI754970, N66338, AI342267, AA628679, AW674966, AW272202, AI673480, AW835336, AUI56216, BE696419, AA171565, AW079029, BE696416, BF982798, AI921994, BF699321, BE696412, AW440948, AA664266, AI572874, D83902, AI754356, AI569623, AI625058, AW468158, BE539716, C75346, BE696421, AI541217, AA244037, D56430, AW794837, BE464416, AUI49708, AA613984, AI520695, AA789181, AI818726, AA653377, BE738338, AW835340, AA156339, D53682, AW860422, AW800395, BF691025, AA598526, BE178042, AA904195, AW768275, AA204639, AW674968, AI121041, AA152250, BF919693, BE925260, AA367404, AW615031, BG260753, AA848082, W47003, AW862545, R71408, BE696408, AW860808, T32121, AA627976, BF690899, BF917679, BE937469, AA446236, D81210, AI721007, AW860804, D81637, AA659654, AA037225, BE184816, N23467, AW750094, AI476075, BE764312, M85743, AI446812, AI758576, T32145, BE177013, AA757693, BE712842, BF921651, BE767238, AA853819, BF326140, AI273910, AA279252, AA381186, BE160136, BE244985, AA152260, BE937463, AA508507, D83831, T35966, AA206071, AW753040,</p>

					AA463528, BF350600, AA853818, AJ826048, TI0441, BF902633, T30084, AA664662, AA296747, T32012, BF081538, AU127062, BF351535, AA294865, AW194536, AW389667, BE154256, BE764183, BE764188, R71621, AA339945, AI590860, BE764172, BE764166, R71117, AA847057, BF081731, BF355957, AL121085, BE764191, AW273705, U29165, U22431, AF207602, AF207601, AF208487, AF050127, AL137129, U85044, AB018398, X72726, X95580, AF003695, U59496, AF057308, AB013746, Y09085, AF004155, AF050124, AJ227916, AF050123, AF004152, AF050122, AF004149, AF050121, AF004148, AL049780, AC007055, AF050126, AF050125, AF004154, AL133057, AF154121, AL122049, AL162062, AF218253, X56530, AL049423, AL133607, E04257, AL133015, E12888, AL133053, AL133049, AF119894, AL133081, AL122101, E13998, AK026442, AL133076, AL133608, W47022, AA504372, AA714314, AA091910, D11752, AA788713, TI0413, TI0820, AI453464, AI684085, AI933855, and AW439013.
HPDRG92	432	101120 9	1 - 347	15 - 361	AL529603, T96738, R90778, H47758, AL529602, R94024, AA323896, AL523542, AL525995, N51812, AB033116, and AK001713.
HOFMQ81	433	101130 3	1 - 915	15 - 929	AL119457, AL121894, Y11587, AF118064, I48979, AF113690, AF130104, AF130082, AF130105, S78214, AF116646, AL110221, AF130075, AF113691, AF090934, AX046603, I89947, AF116602, AL389978, AF116639, AB048953, AF113694, AF118070, AL133640, AL157431, AB049758, AF078844, AL050393, AF113013, AF130059, AL117457, AL133016, AF116644, A08916, AF125949, AF111847, S68736, AL133606, AL359596, AF090900, AR079032, AF116691, AL359601, AF090943, AJ242859, AF116688, AF116631, AL110196, AF218014, AL390167, AL080060, AF138861, L31396, L31397, AF104032, AL049938, AL442072, AL117460, AL050146, AF119878, AL137527, AL162083, AF113689, AF130092, AF090903, AF090901, AL096744, A93016, AL442082, AL049452, I89931, AR059958, X84990, AX019230, AF113676, AL080124, AF113677, AL050277, AL122093, AL133093, AB048964, AX019229, A08913, AK026608, AK026045, AK026865, AB019565, AF090896, AK000212, AL050149, U42766, AL050116, AF106862, AB041801, AK025339, AK025084, AL133075, AK025772, AL122050, AK026741, AF119875, AL050108, AK026855, AF219137, AL133080, E07361, AF113699, AK025092, AB047615, AL049314, AK025958, AF158248, AF113019, AL162006, I48978, AL133565, AL389982, AL122123, AF017152, AL137459, E03348, AL359618, AF146568, AB050510, AK026583, AL049466, AF111851, AL133557, AK027096, AF119899, AK026744, AF119909, AK026784, AX006092, AL117585, AF116649, AL080137, AL122121, AL137557, AF207829, AK000618, AL050138, AL359941, X63574, Y11254, AF017437, X82434, AK026504, AJ000937, AF125948, AF091084, U91329, AK026533, Y16645, AK000137, AF314091, AK026452, AK026647, AK000083, AL137283, AB048954, AJ238278, AK026927, AL117394, AK000445, AL353940, AF177401, AF079765, A65341, AL359615, AL049430, AK026592, AB051158, AR087170, AL110225, AK024538, AF242189, AK027113, AK000652, AL049300, AK026532, AK026353, AK025484, AF116610,

					AL133560, AR011880, AF097996, AK025391, AK026534, AL137550, AK026086, E02349, A08910, AX042059, AK026542, E07108, AB052191, AL049464, AL117435, A08912, AX026824, AX026823, A58524, A58523, A77033, A77035, AF067728, AK027204, AK026528, A03736, AB047904, AK000432, AF225424, AK026959, AF271350, AL133258, AF130099, AF130066, AB034701, AK025967, AF116682, AL117583, AL050024, U00763, AL122098, I33392, AF177336, and AL049382.
HOFNF27	434	101131 5	1 - 748	15 - 762	AW665000, AL521066, AA089566, Z44690, F05145, AL514786, AL678039, AU131437, BE167328, AA926992, AA249468, AW971745, AW804686, AW392670, BE695785, AW861944, AW604723, AW877209, AW858526, AW858525, AL119483, AL119319, AL119324, AL119355, U46349, AL119457, BE705903, BE705906, AW577135, AW372827, AW384394, AW861889, AW858455, AL119497, AW363220, Z99396, AL119484, AL119363, AL119391, U46350, U46347, U46351, U46341, AL119443, BF868687, AL119444, AL119341, AL134538, AL042984, BF868697, AW604726, AL119439, BF868684, BE705905, AL119522, AL119396, U46346, AL043011, AL119335, AL037205, AL134533, AL134920, AL134524, BE705904, AL119399, AL043029, AL119496, AL12137, AL134531, AL119418, AW861954, U46345, AL042614, AL043033, AL042544, AL042965, AL042975, AL042450, AL042542, AL043019, AL043003, AL119464, AL042551, U90716, Y07593, AP000967, AF200465, AP001670, AL163204, AF124598, AF109645, Y10320, AF109646, Y11929, U90715, AF169366, AF242865, AF242864, AF169365, AF169364, AB026436, AR060234, AX046357, AR054110, AJ251859, AX030435, A81671, AJ279014, AR066494, AR069079, and AR043113.
HOFND52	435	101131 .6	1 - 591	15 - 605	AW971745, AW392670, AW804686, AW604723, BE695785, AW861944, AW858526, AW858525, AL119443, AW384394, AW861889, AW858455, AW363220, BE705903, BE705906, AW577135, U46347, AL134533, AL119363, AW372827, AL119497, AL119319, U46346, AL119396, AL119457, AW877209, AL119324, BE705905, AL119484, U46341, AW604726, Z99396, AL119341, AL119391, AL119355, U46350, U46351, U46349, BF868697, AL119444, AL119483, AL119439, AL119335, AL119496, BE705904, AL134518, AL119399, BF868687, AL134538, BF868684, AL119522, AW861954, AL037205, U46345, AL042965, AL042614, AL134527, AL119418, AL042542, AL042450, AL043003, AL042975, AL042970, AL043029, AL042544, AL043019, AL042984, AL12134, AL042551, AL119488, AL119464, AB026436, AJ251859, AX030435, AJ279014, AR054110, A81671, AR060234, AX046357, AJ251089, AR066494, AR069079, and AR080280.
HOFNL96	436	101132 1	1 - 563	15 - 577	
HOFNF53	437	101133 2	1 - 2384	15 - 2398	AF228061, AX014812, AF228060, AF228059, and AX014811.
HOFMU61	438	101136	1 - 1296	15 - 1310	

HOFOF35	439	0	1 - 731	15 - 745	AL520120, AU120794, AU142824, AU142738, AL524453, AL516006, AL531636, AL528608, AU135451, AW960802, BE25275, AF034175, BE251549, BE267417, BE787485, BG260926, BE866693, BF204561, AW402296, AW879901, AA130293, BE783678, AL536177, BE890412, AA026038, BF933394, AW995929, AF061738, AK022055, S65367, and AC006160.
HULFI37	440	101153 7	1 - 901	15 - 915	AL528378, AU129753, AL523012, AL523055, BE881260, AL536136, BE379029, AI936124, AW157228, BF036785, BE907027, AI246564, BF684205, AW163233, BF032696, AW167783, BF115257, BE908959, BF206407, AW966037, BF058749, BE905304, AA873153, AI814898, AI653634, BF033796, AW167930, BE908776, BE612522, AL523011, BE312284, BE315082, AL528507, BE260964, AA657525, AA846556, AA581813, AW170322, AI675942, AU126752, AW073723, AW439343, AL536135, BE294834, AA905511, BF983613, BE736100, AI672867, BE271931, BE563428, BF033808, AA565888, AU151827, AU126743, AA443893, AU126776, AU126631, BE048096, AI288014, AI349513, AA605069, AA947686, AI354687, AI344761, AA968896, BG110190, BF036720, AA837515, AU126400, BF035189, AW473570, AA857612, AW243736, AI350498, AI363381, AA677118, AA670096, AA427949, AU151595, BE350678, AW182617, AI560969, AU129491, AV699411, AA622740, AA444088, AV700357, AI283102, AI689102, AA569487, AU126127, AA554302, AI653485, AV745161, AL516918, AI354641, AA856700, BE613105, AI358308, AA071541, AI243590, AI546836, AW005289, W76149, AA244008, AI422558, AA775927, AA063086, AA650016, W72586, AW001140, AV698390, AA550916, N92857, BE904189, AI546843, AA773276, AI302461, AL520795, W25583, AI127036, AU126711, AA037265, AA340693, AI185816, AA160689, AL516917, AA885582, BE866790, AA155767, AI904529, AI564903, AA659174, AW474443, AI051519, AA121966, AI494596, AI689031, BF743597, AI351481, BF743384, AI814052, AA428047, BF155259, BF761628, H99387, AA921901, BF799202, AI970995, AU126531, AA687198, AL520794, AA635808, AA126065, AI972309, AW170212, AA928381, AA364687, BF799608, AI784469, AA065175, AA232437, BF114899, AV702749, BE765150, AI758612, AA090244, AI363998, AI868371, AW150636, AI869410, BF743525, AA092613, N31429, BF689044, AA065174, AI566999, BF155224, C18016, AA525365, AI924384, BF743523, AA528748, AI784640, T28360, BE694608, AA095763, T54666, W19684, AI184108, AI536700, BF688256, AI214861, AA069147, AA834416, BF743622, AA340127, BF063999, AI819683, AA232438, BG055557, BG153008, N90030, AA075883, N88126, AA612817, BF434087, T50502, AA330721, BF743541, AA565183, AA092202, AV697304, AI364889, AI699968, AA428951, AI360411, BG222691, AI908085, AA292397, BF330544, AA630996, R72795, AA155766, AA095477, AA402271, AW366864, AA236707, AW371105, AA720944, BE832973, AI633889, T50637, AI989937, AA055038, AA121965, BE171278, W04805, AA069239, AW496797, T54753, AW799852, AX014110, X55110, I15236, M94250, D10604, AX015411, E04786, M69148, E12896, M34094, AB036426, M34327, M35833, AB025023, M19662, M34328, M61754,

HOFME75	441	101160 7	1 - 1010	15 - 1024	AA063136, and AA155768. AL523165, AL515551, AL537265, AL520260, AL531902, AL533764, AL534019, AU123661, AL538449, BF725283, BE271314, BE744146, BE314972, BE514630, AU124220, BF980436, AW239518, BE745207, BE909798, BE266432, BE313375, BF984861, AW162833, AW629964, AW239222, BE019917, AI144171, BF515784, BF128026, AW239501, BE745633, AL531408, BF528125, BF984074, BF983109, AW238810, AW675333, BE887799, BG165843, AW239055, BF036003, BF688322, BF036176, BF314875, AA243255, AW068310, BG253491, AI750829, BG120518, AA114212, AA227340, AL528807, AA488270, BF036567, D83174, AB044778, AB044779, AB010273, X61598, M69246, X60676, J05609, AF100413, DI2905, AB044780, AB044781, AF202899, AF178675, and DI2906.
HOPKO74	442	101160 8	1 - 2246	15 - 2260	AL515550, AL520259, AL523164, AL525036, AL534019, AL537265, AL538449, AL533764, AL520260, AL531902, AL515551, AL523165, AL525035, BE379543, AU123661, BE741174, BE742224, BE741994, BE741741, BE742340, BF725283, BE740889, AI635814, AU124220, BE744987, BE744146, BE747153, BE744655, BG253433, BE745129, BF343576, BF033082, BF980436, BE877236, BF038485, BF338799, BE906099, AW151151, BF037069, BE272242, AI336307, BE898327, BE378159, BG116704, BE514864, BE314972, BG120943, AW239501, BE304338, BE514630, BE909798, BE271314, BE742968, AW162833, BF984861, AL038803, AI754209, BG028129, BE272350, AW239518, AA114175, AL038804, BF128026, BE868537, AI752340, AW239222, BE266432, AA641717, AA205447, BE620098, BE745207, BE313375, AW629964, AA176157, AA191544, W68054, AW629878, BE207655, AA454490, BE067208, BE221309, AA315647, AW364803, BE910175, BE910339, AA101234, AA565572, BF684840, AI049605, W92720, AI146365, BE019917, AA305265, AI863019, AA293056, W58348, AA565247, AW162724, AW338826, AI141482, AA987259, AW087936, AI954500, BF688322, AW517393, AL531408, AI755228, AA723072, AW069806, AI336074, BF528125, AI268308, BF984074, AI366790, AI144171, AI811037, AW150385, AI922017, AI191471, AA514403, AA733081, AA565401, AA873716, BF983109, R71440, AI753928, AI927706, AI131532, BF036219, BF695480, AA678650, AW368086, T57921, AI753517, AW238810, AA565403, AI332734, AW339060, AI884409, BF515784, AW950609, AI204058, AW955479, AA651706, AI291428, AI204251, AI479680, AI825961, AI829909, AW192557, AW087929, AA010142, BF983082, AI361591, AA025341, AA070470, AI635486, AI146535, AI355374, AI752341, AI190787, AW674813, AW675333, AI185961, BF314875, AA130318, T55713, BE745633, AA995846, W58473, AI890829, BF739075, AI690876, AA507465, AW304986, BG253491, AI827289, AA315478, AA889243, AI097500, AA564102, AI249028, BE887799, AW029503, AI401571, AA029192, AA293371, AI499166, AW614931, AA010141, AI589642, BE328767, AW005099, AA719959, AL531407, AA206070, AA971287, AW274613, BE206417, AA457512, AA219278, AA679718, AA777200, AI144387, AA613547, AI313366, AI874203, AV722770, AW176048, BF308081, W96392, W70032, AA974224, AI829452, AW239055,

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HCBBA51	443	101175 5	1 - 461	15 - 475	BF314829, AV712857, AW135421, AV756013, AV711642, AV706459, BE389248, AV762758, BE298463, AW873404, AV761365, BF974361, AV694674, BE385529, AV712150, AA035773, BE896094, BG028321, AA056334, AV712521, AA229819, AA314724, BF184153, BF244433, C14341, W68503, AA401339, BE378847, BF314729, AV751410, AV761330, BE378783, C14299, AV713770, BG059393, C14483, C14221, AV717163, AA308273, C14336, C14385, BE019161, AV709556, AV693316, AV764302, F21255, C13986, AV712395, BF696046, F24961, AA328328, BG230851, AW440694, AA135681, BE395394, W68387, BE730209, AA228680, AW009033, AA747774, C14434, BF941581, AI223384, AA622053, BF244539, AA010723, AI202387, AI073496, W07371, AI208241, AA533423, BE787471, AI223417, AV726474, AV728017, AV728046, F24716, AV726003, AW960673, AA853968,

					BF128944, BF313606, BE541408, BE384218, AI025140, N69946, BF683985, AA151292, AV757952, AI150810, AI378443, BE313118, AA315459, AA635767, AA491891, N69079, N56655, AA186392, AI707619, C03984, BE563035, AI708439, AA034221, BE906876, AA151293, BE275427, BE728346, AA873167, F24063, AA228662, W42660, AI718982, BE744775, N80244, AA969768, BE735641, T34897, W72685, AW170321, AI016268, BE263116, BG112628, AI708120, AA814124, BG031187, AV711886, W77791, AA564612, BE409239, BE409231, AA722903, AI066527, BE395618, AA729365, AA187084, BE390282, BE736548, BF804909, BE390266, BE390634, AV753766, W80646, BF217830, BF664435, AI075691, AA757220, AA922807, AA308272, AW182757, AA354607, AA132021, AA594511, AI087293, AI300747, AW275224, BF210527, AA644450, AA903981, W74708, W45185, AA181331, AA468802, AW583165, C15788, C14504, AA973174, AA993667, AA470869, N30323, AV746947, AA548946, AW275200, BG029405, F28368, AI343724, F24779, BE294521, AA132124, AA974282, AI087145, F36109, AI303012, N98327, AA135594, AA600707, AW572289, AI129063, AA976458, AV712801, AA747035, BE737600, BF130711, BF382470, AI378997, AV716066, AA329263, AI735513, AI253570, C14380, F33238, AI341567, AI749684, F26265, AA977143, F33782, AA011171, BF438354, BE738165, BE045124, AA026357, F26564, BE735946, AA483684, BE566649, BF210070, D51943, BE735942, W55989, F31642, AI299939, C14396, AA303645, AA662887, BE388378, BE394221, AI337512, AI126257, AA373945, F19035, T35109, BF132228, F27569, AA962592, T30067, T34058, AI279207, BF241003, AI695702, AA321693, BF229468, AA366019, W56279, BF217823, AW372974, AI188019, BF915829, BF213092, F28612, AA033537, C14513, AF052955, AF077045, AK026556, AL109840, AC010102, X16978, AF010323, W74677, W80647, AA062820, AA514852, AA563674, AA639353, AA664589, AA886626, AA903495, AA983332, F19464, Z19731, Z19733, F21953, AI302406, AI313106, AI199688, AI223418, AI253527, AI695164, AI696728, AI766380, and AI826670.
HDHEB13	444	101177 3	1 - 1157	15 - 1171	AI916779, AW304481, AA732948, AI288625, AW965223, AA443244, AA194106, W79527, BF511014, AI038644, AA443206, W93527, AA346195, W79559, BE296248, BE269743, AX039965, and AX039975.
HDTMG36	445	101182 1	1 - 453	15 - 467	BF972066, BF245607, AV703472, AV682014, AL038000, AV721711, AV728175, BF219386, AI133475, BF594923, BE837022, F22763, BF370629, BE830051, BF679794, BF693415, BE829971, AA528724, BE830055, AI479313, BE830057, F28205, BE717593, BE830025, BE836965, AA101196, BF973420, BE830061, BE830020, BE830059, BE818317, AA639940, AV734206, BE829966, AA501447, BE829985, BE830033, BE674258, AW772601, AA558672, BE837016, BE829982, BE830028, BE829988, AA082523, F36038, BE818328, BE836968, BE717560, AA603906, BE717609, F25953, BF975287, BE830032, AA886834, BE795191, F20554, BE830031, AI459928, AA747245, AA722455, AI417855, AA88508, BF837014, AI126653, AW102672, AI150214, AI479343, AW510846, BF109983, AA248555, AA559212,

	446	101183 0	1 - 2523	15 - 2537	<p>AI809245, AA861130, BE829949, AI150004, BE829975, AI207976, F27565, BF681536, W84725, BF370619, AA862808, BF032041, BE315336, AA513949, BE830018, BE717580, AI879934, AA548446, AW025105, AI734829, AV711872, BF837012, BE889962, AW358546, BF351489, AA928636, BF055820, BE830022, AA313635, BE717590, BE717606, AA526344, AW516646, AA522485, BE829984, BE830060, BF676487, BF677204, BE829977, BE829972, BF678831, H87273, AA749507, AI581538, BE771230, BG253855, BE818309, AA383342, BE004358, AI719475, BF354757, BE833655, N91718, BF829164, BF348938, BF699876, BE837027, BF914006, BE765905, T24667, F28659, BE174387, AA639928, AA664863, BF031412, BE717558, W78880, F37904, F29279, AA862663, BE311612, N83913, BE836986, AV702430, AI525669, AL110185, Z83843, AJ290947, AJ271158, and AF171666.</p> <p>BE410209, BE409948, BG115320, BE727135, BE275865, BE544451, BE247077, BF979132, BE276854, AI761191, AW190208, BF842485, BE552236, BE407430, AI401546, BF207408, BE910432, AW612622, BG009629, AW959204, AL135649, AI948809, AI209141, BE044454, BF768377, AI089727, AW589835, AA741117, AW054865, BE243221, BE512837, AW007188, AW024964, AW197517, AW192474, AI371883, AW732035, AI346775, BE273254, AI076529, AI086805, AI394074, BG113199, AI380843, AI613247, AI222796, BF112100, BF917505, BF842478, AW297124, AI523975, BE673122, BE502167, AW014930, AI655264, AA724818, BE243746, AI597975, AW470765, AI026618, BF923223, AA431124, AI684019, AI989704, AI862536, R51174, AA452620, AI285301, AI380975, AI380856, AI984759, AW295359, R35336, BE349571, R60756, BE503804, AW292516, BE247138, AI682541, BF923222, BG008918, N35451, AI302839, AA917488, W25150, H99364, AI972215, AI424358, BE243306, BE244991, AA937518, R48089, BE243647, R12836, AI262500, AI223148, BE242440, AW073337, R48082, BF815490, AW080459, AA576239, N35546, BE246634, AI954045, BE221690, AI809326, R46107, AW449766, AI954417, AW516184, BE247092, AA89557, AI799922, AI828634, BE242990, AW243116, AU127369, AI537699, AI867400, BF594684, AA514442, BE242999, AI553721, R60757, AI763211, AA432140, AI761010, BF510682, AW263306, AI763100, AW451349, R51058, AA470619, N24660, AI589437, BF315855, BE243714, AW000862, BF316405, AW960495, BF311549, BF347151, BE261173, BE672153, AA316825, R46448, R20746, BE260700, AA359340, AA995140, BE382562, BE707810, AI695433, BF983844, AI638588, BF304367, R47977, AW102776, BE246720, BE260234, AI934023, BE262038, BF838098, H41023, AW103559, AA354191, N93298, BE387142, BF206973, BF313395, R48998, BE241996, BF981535, BE241927, AW244155, BF984035, BF314395, BF973669, AA344952, BF761447, BF313034, BE261859, AA937240, Z40608, BE382532, AL031600, AF224741, U88844, Z67744, Z67744, and AF063100.</p> <p>AW167128, BG230566, AW008822, AI521137, and S78079.</p>
HPAMY22	447	101184 0	1 - 518	15 - 532	
HE9CP86	448	101184	1 - 924	15 - 938	BE619589, BE778001, BG179191, AI990409, BE787128, AI056896, BF032589, BF210574,

	7				BE779660, AI200949, BE619066, BF977514, AW953735, AI337884, BE778227, BE908473, BF978672, BF038980, BF692240, BF209481, AW104443, BF210193, AW055339, AV718164, BF791503, BF183862, AA911567, AA046828, AA932357, AI023297, BF034241, AV682017, AW512478, AI125234, AA904609, AW572795, AI733426, AW250547, AA910576, AI377004, BF688001, AA046871, AI090522, AI791736, BE565759, AI032574, BE963828, AI140513, AI355194, AI146665, AA972188, AA985450, AA643701, N27384, N30911, AA938964, AV695444, N58077, BF103965, BF690859, AA005074, H59617, AA505790, N57685, AI807795, N55023, AV740591, N41842, AI078181, H59658, AI079135, AI672631, H13146, H90608, H75736, AI808881, H58325, H67713, AA807988, N32135, AA004517, N77541, AA705231, H13147, H83720, N64292, BE708941, AW249886, H75871, AA460432, N56775, N30598, N77212, H58714, BE777991, BE928234, AW376655, AA368114, AA379597, H64100, AW376078, T96922, D60596, AA622435, H90512, T97029, BE075971, AA263084, AW067367, AA864550, N56803, BF089228, AV727151, BF089219, AA993476, AA922842, AA004600, D19848, AW795927, AW843401, AA968872, AW582860, AV708762, AA285312, U74656, AF161499, AK000504, AF160215, AR080258, and AB032931.
HPDOU46	449	101188	1 - 933	15 - 947	AA885514, AW571544, AI925136, AV751974, AA934359, AI336032, AI818811, AW292295, N95268, W25222, AR038157, AC008860, and AC016612.
HFCDW73	450	101190	1 - 703	15 - 717	BE612411, BF306028, BE295311, BF309599, BG114475, AW410748, BG178760, BF339804, AW839643, W01259, BE018592, and AK000376.
HOVEB13	451	101191	1 - 1361	15 - 1375	BG031307, AW957996, BE299537, AA928779, AI685200, AA576884, AW514270, AI218215, AI809292, AI355487, AW082223, AW263592, AW152614, AA424504, AI265774, BG236438, AW070728, BE789393, AA933972, BG058626, AA927905, BE788048, AA707564, AI921682, AI431416, N30148, AA132983, AI085684, AI225124, W40249, AI630792, W60086, AA563939, BE326510, H68849, AA127446, AA135149, AA127445, W53030, AW058274, H80062, AA302211, AI240522, BF515623, H69149, AA247723, AA897766, AI589066, AA595935, BE734169, AA609608, AW606716, AA973544, BG170959, BE644966, AA576883, BE349394, AW665349, AA969337, AA969535, AI694323, R10513, AI045971, AW993256, AI860774, BG027280, BF904265, BE910373, AW148363, BG029667, AI633125, AI120853, AI433157, AI702073, AV762488, BF970768, BF338002, AI284509, BE785868, AV757012, AI514721, BG113299, AI866127, AI514731, BF814420, BF812961, AI801325, AI434256, AW827276, BF038131, AI500662, AI318569, BG166654, AI269862, BF795712, BG257535, BE963035, BF527014, BG110517, AI513807, AW772536, BG029829, BG249582, BG252929, AW169653, BF970449, AI539771, BE047852, BF338723, BE876033, BE885490, AI036780, AI364788, AI537677, AI521560, AI500659, AI274759, BE880182, BF812960, AW827289, BF032768, AI500523, BF812438, BF812938, BF339322, BE874133, BF970652, AI284517, AI500706, BF816042, BE047952, AI452537, AI491776, AW151138, AI633493, AI284513, BE909101, AI513687, AI921248, AI677796, AI110306, BG031815, AI929108,

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HPAMS93	452	101194 8	1 - 4502	15 - 4516	<p>BG026454, AU136698, AA776842, AV707577, AV705003, AV706119, AV704393, BG112983, BF791105, BE501811, A1743650, A1671708, A1816789, AA723646, BE885350, A1636006, AW021004, AV726053, BF671148, W63546, BG249128, AW168299, AW665425, BF240936, BF692672, AA928542, AW950765, BE881258, AA846553, A1979064, AA742232, AW439829, AA449108, AA437197, BF695261, BE858197, AW134486, AA902878, BE546728, BF574789, AU152945, A1381912, A1684433, BF056144, A1139359, A1554413, BF381601, A1150427, AU157987, AW969822, A1424982, AW995211, BF351582, AA506295, BF209677, BE565044, A1088749, A1310443, AW512634, AA970921, A1359188, AA764772, AA827252, AA058552, A1362408, AW072743, AA766122, A1695798, AU157615, AW262974, BE835401, AA742318, A1623928, AA766577, AA513825, BF570645, A1394370, N51644, A1707846, AV721192, A1168421, A1348599, AA426385, AU155502, R78671, N59337, AU138435, R76132, A1433201, AA633541, T28713, AW103272, BE501987, R71309, AU131133, BF988802, N77145, R38553, AA084680, AW292597, R71256, AA053304, BE892939, A1474643, AV707777, AA346362, Z19210, BF800195, BE933905, AA970905, BE221948, H11501, AL121134, AA541406, AA373725, AV725851, AA348237, BF094439, R78631, AU139383, AA356852, R49221, BF086129, BE241955, D54215, AV721047, R42939, BE173266, AA348236, BE708094, BG109183, C00707, AA081650, F00029, A1699168, R25602, A1352064, R76083, BE835431, AU122860, F10470, BE501204, BE241571, R26998, AU134565, BE893499, BE244866, BF914011, AW237144, A1817847, A1968300, BE813282, BE878743, BF852756, BE241491, BF699184, BE708399, BE172638, AA879066, and M74089.</p>
HCRBN71	453	101196 6	1 - 681	15 - 695	<p>AA195119, AA195013, BF680123, BE219252, AA738440, BE540300, A1703457, A1183309, AA243291, AA243401, A1191561, A1292346, A1306531, A1817119, A1038422, BF211661, A1091896, AW051480, AA976687, AA243441, A1348605, AW015242, A1246250, AA989100, BF058616, AA831493, AA252613, AA459659, AA459782, BF570879, A1076966, A1784681, AA953732, AA931640, and A1383295.</p>
HCRNC60	454	101200 5	1 - 2294	15 - 2308	<p>AL527016, AL521200, AL524479, AL527060, BE734447, BG253129, AL521201, BF689091, BF965518, BF688892, BG166242, BG120159, AW007680, BG252573, BG027017, A1027899, BG250439, BG034762, BG028233, AL046964, BF688663, AA573191, BG250944, BE536191, BG250019, AL048451, A1983368, A1609925, A1391636, AW130457, BE018872, BG036095, A1925662, BG122085, AL524480, BG170360, BG121606, A1445752, BG121507, AA577112, AW513478, BF930780, BG034823, BE302383, A1814775, BE537945, AW874680, BG109535, A1655191, BE378060, AW769155, A1620523, AW950570, BF037587, A1690135, BF476375, BE273976, AW016285, BE273565, AA613365, AL516994, BG117073, A1624237, A1818796, BG251134, BF034144, A1697379, BE539030, AA506219, BE206559, A1516993, AU148176, A1748875, BE835356, AW190411, AA599544, BF921054, AU150378, A1436129, AA599412, BG118864, AA863094, A1687746, A1088772, A1075672, A1149159, A1766187, AA976487,</p>

					AI635119, AI587506, AU145303, AI610105, AW579433, AA481771, AA075727, AA182032, AI074869, AA652941, AW029339, BE504380, W52521, AI133597, AW251080, BE906785, AW020650, C75307, AW089491, AI755252, AA485345, AU144343, AU146091, BF058107, AI077647, AW003392, BE208415, BG251224, AJ223808, AI570985, BF930770, AL538312, AI754030, AU152450, BG121265, AI363400, AA449447, AA996250, BF817541, BG121843, AA071489, AA075778, AI832514, BF920992, AA576307, AW602058, BE835428, BE390409, AI668842, AA666134, BG121491, AI60155, AI763041, AW022290, BG026504, BE673214, AI970897, AA047403, AI088214, AA999872, AA548449, BF439853, AA533785, AI284855, BF841193, AL533394, AW014043, BE645964, AI810752, AI676086, AA036839, BE407089, AW008300, AA026364, AW026706, BF576954, AA603975, AW016424, AW868784, AA136374, AI270288, AW020004, W51870, BE835423, BF576171, W48802, AV702417, AI400352, AA036782, BG109283, AI146865, AI569917, AA158137, AI891011, AI362430, AI923482, AA133600, W49802, AI282476, AI535921, AA126441, AW732530, AI146893, W01436, BE744977, AI183506, BE746589, AA580887, AI023045, T11706, AA127710, AI095383, BE537332, AA133601, AW839205, AI620196, W46542, AA757994, BG119412, W44614, BE908914, BG253091, BG120375, W39465, AI668962, AA992675, AI909316, BF577061, AA532956, AA157692, AA582296, N99925, AA464871, AI188867, BF733918, W48657, AA157769, AA244378, BF811353, AW881180, AW839611, BE770073, W69962, AI869017, AW612457, AA533721, AI801717, BE812239, AI863569, AI085114, BG250322, AI459927, BE879157, BF688301, AA485500, AW581356, BE836046, BF724484, W96503, BF827959, M19715, AL050179, AJ001055, M19267, X12369, Z24727, M60667, M60666, M60669, AJ000147, M60668, M22479, M34136, M23764, X02411, AL358752, M36336, M19714, M19713, S78854, X66274, X64831, M34135, X02412, M23765, M34134, M15044, J00910, M36337, M32441, X04690, M17914, M18135, M16433, X57994, M69143, M16432, M69145, X16241, L02923, M15472, M69142, X16236, AF049587, X16090, T67490, T67606, T83927, T66598, T83755, R02794, R02795, R15972, R51819, H42385, H43150, H60858, H66300, H79726, N50186, N70802, N98487, W24260, W25300, W44594, W69961, AA046687, AA046797, AA047523, AA126548, AA135751, AA136288, AA161070, AA527266, AA533691, AA888457, AA994539, N84777, C01725, N86503, N87211, N89280, C02894, C03607, C04293, C04671, C04704, C04945, C05443, C05481, C05575, C05616, AA090758, AA089620, AA091667, AA093639, AA093956, AA094920, AA204927, AA216073, AA628665, AA835185, AA853133, AJ224925, T19748, F13809, AI262087, AI444980, AI567058, AI623830, AI619617, AI676026, AI676127, AI680055, AI688015, AI818202, AI826156, AI865486, AI802511, AI936073, AI933566, AW016295, and AW168719.
HSFSJ24	455	101206 4	1 - 1316	15 - 1330	AI026930, AI378815, AI922741, BF525953, AA837561, AI813985, AW575286, AW238276, AI568176, AV704102, AA833826, AW966027, AI610329, BF957805, AU155099, AI445584,

HPCPB22	456	101207 6	1 - 540	15 - 554	AW961244, AI334017, AI079505, AW864116, AV704875, AA404652, AI286039, BF530066, AI242489, AW864106, AA291389, AI870616, AV652034, N89796, AA902569, AI919269, AA291577, AI431315, AA668836, AA872786, AI831565, AW864170, AW794584, AW864163, BF340236, T28155, AI742033, BF857432, AW864152, AA631865, AA291290, R53870, AI126682, R34002, AI333467, AA364732, AI869894, AW088986, AW374849, H55942, AA878934, AA588087, BF953364, R53821, BF360435, BF848998, BE887127, AW751621, M87503, AL136295, U51992, and U92994. BG167998, BE081198, AC005250, and AC006477.
HOVDZ22	457	101213 6	1 - 1190	15 - 1204	BE871201, AL079363, AI859755, AI151160, N47360, AI683204, AI827375, BE886069, AW369494, AA864845, BE770755, N56977, AA915977, AW627718, AW968202, BG252747, AA460264, AI359195, W22324, BE829260, AI082298, H37982, BG236816, AA620458, BG055923, H38203, AA991749, BF237665, BE770756, AA468461, BE704354, AI247941, AW470558, BE207909, BE829323, AI362578, BE833033, AA921753, AI867497, AI744126, AI783585, AA668493, AW451685, AL039988, BE165016, AA836177, BE693573, BF339879, AW270250, AI824219, AI216264, AI185891, AA505063, AA481160, AI123571, AI420255, AA463829, AI473334, AI554888, AA594994, AI202395, AI623088, AA505761, AI971348, AI263358, AI384099, AA234726, BF196906, AI417107, AA160515, AI004300, AA350704, T61636, BF094163, BE398137, BE267717, BE269084, BE267516, BE398095, BE397950, BE705905, Z99396, AW976502, AL119324, BF868687, AW861944, BF868697, AW804686, AW861954, AW969885, AW604723, BE695785, AW392670, AW976982, AW973209, BF868684, AW972292, AW973213, AW979194, BE705903, AW372827, AW858526, BE705906, AL119457, AW858525, AW577135, AW975002, AW975965, AW384394, AW861889, AW858455, AW970942, AW973219, AW970889, AW974823, AW363220, AW972377, AL119497, AW975952, AW972823, AW979127, AW972845, AW971403, AW974801, AL119319, AW975876, AW975966, AW969673, AL119443, AW971968, AW973252, AL119483, AW877209, BE705904, AW976511, AW975154, AW604726, AW976023, AW969791, AL119363, U46350, AW979212, AW975037, AL119335, AL119496, BG059382, AL042614, U46341, AW979204, BG153750, AW973270, AL119484, AW970113, AL119391, AW970627, AW971387, AW972884, AW973189, AW973202, AW972695, AW973805, AW973770, AW972719, AW976515, AW975976, AW979165, AW976510, AW969818, AW971954, AW972680, AW975975, AW969884, AW972943, AW969759, AW979083, BF592735, AW970587, AW973650, AW979175, AW975646, AW973986, AW979064, AW975938, AW975016, AW975019, AW975138, AW975968, AW970921, AW969766, AW979116, AW973185, AW972806, AW973987, AW975910, AW975943, AW972689, AW972706, AW973164, AW970097, AW973824, AW971964, BF588769, AW975904, AW974379, AW969752, AW975227, AW976037, AW973718, AW973967,

HBZSK53	458	101224 0	1 - 812	15 - 826	<p>AW975933, AW973734, AW979169, AW973207, AW979176, AW972882, AW973104, AW975028, AW969782, AW970868, AW972868, AW975143, AW973985, AW973210, AW975648, AW971129, AW975971, AL119341, AW969930, AW972864, AW969658, AW972440, AW979178, AW972883, AW979081, AW972933, AW973167, AW975162, AW979024, AW973193, AW972637, AW973750, AW971183, AW970110, AW972705, AW972827, AW973946, AB014577, AC005193, A81671, AR060234, AJ279014, AR066494, AX046357, AR023813, AR064707, AR054110, AJ251859, AX030435, AB026436, and AR069079.</p> <p>BF311945, AA573955, BE272773, BE563332, AI205315, AW160842, BE902005, BE261848, AW951052, AI247509, AW160847, AW162381, BE260271, BE394195, AA158241, AA52227, AA682673, AW977784, AI445208, AW083990, BG167471, AI142942, AI139661, AA151647, BF055277, W51775, AA902783, W49523, AI831943, AA977542, AI344595, AI350350, AI439566, AI818831, AI261413, AI991292, AI266611, AW514380, AA306292, AI358932, AI718114, AA429579, AI423083, W80604, BE675912, AI718228, AI523860, AI143448, AA432139, AI090465, AA954640, AI085397, AA631070, BE538110, AI363402, AA733065, AA984904, AI660966, W48670, AI190092, BE676065, AA612812, AW104262, AA653079, AW261940, AI223979, AI523945, AW270000, AI750115, AA978047, AI300204, AA569148, AI129908, AA644008, AA715305, AI222391, AA032056, AI262474, AA766275, AI309951, AA917686, AI268587, AI363403, AI266575, AI084868, AI032228, BE785787, AA811091, AW663483, AA031920, AA918011, AA432330, AI351278, BE044385, AA876021, AI857658, AI673477, AA768844, AI160107, W49524, R67696, AW351509, AA748636, BF802108, AA832382, AA978061, AA805201, AA160838, BF663301, AA621587, AA627983, AA569031, AV706578, AI343867, AA938352, W51925, AA745920, AA886173, AA455371, AA456011, R66095, AA731749, AW905884, BF958963, W80603, AA641565, BF958968, R77511, AA806716, AI380276, AA811186, R77585, AI032240, AI380346, AI144561, BF001946, BF447194, AI696133, AA936222, AW381956, T28808, AW008792, AW292340, R24242, AW296152, AI867529, AI524303, AI659130, AI672577, BF800229, AA627736, AW169557, AA054546, W94819, AW368945, BF818801, AW368926, AI680585, AA636017, AA054605, AI686369, AA151728, BE163318, BF063215, AI738553, BE906185, AI219206, AA601515, AI202296, AA431125, AI972929, AA593134, AW374327, AA954620, BF800216, AA554557, AA639642, AI810889, AI340218, AA281762, AI379209, AI351301, AA594840, AI797854, W96037, AW451496, AW966330, AV742732, C14331, AV738340, AV741220, AV742735, AW975618, AV718681, C14429, AV724520, AV742048, BE744646, AV718489, AW973541, AW973445, AV177440, AI709272, AV699550, AW753053, AV744690, AV718692, AW964468, AV701004, AV701125, AV701166, AV701149, AV741191, AV699927, AW752082, AV741221, T03269, AV742001, D80164, AV720791, AW949654, AV738928, AV701154, AV720533, AW964766, C14389, AW966053, AW951169, D59467,</p>
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HBCPH02	459	101245 3	1 - 1430	15 - 1444	BE748869, BF970794, BF109702, BF981345, BF197326, AI300552, BF219195, AW964590, AW163294, AU118237, BF107178, AW957100, BE567746, AU150552, AL046520, AW893994, BE671865, AJ376741, BE465805, AU148817, BE763405, AW298504, BF836318, BF056808, A1949526, A1766147, AI620120, AI192681, AI140674, BE840892, AA868721, BF091198, A652131, BF666129, AW663986, BF365557, AW043639, AI989546, AW337182, W78826, AI039003, AU156430, T75226, AW451577, AW293998, AW351808, AW295214, AU153154, AW803385, AA430259, AI510818, AI308083, AI671263, BE769464, AW803255, AW803392, AU156278, AA099306, AL040713, W45375, AW276921, AI872944, C17821, BE049636, BF848474, AI696052, W57547, AI962395, N22077, AA171668, AI342101, AA099816, AA992066, AW803326, AA193330, AW005014, W04771, AI628191, AI635617, R99125, T48495, AA592987, AI934241, Z43316, F08940, H80457, H81377, D82795, AI122977, AA284696, AA284590, AW337979, AA173427, BE185818, AA953291, AI251824, AA160137, R67589, AA369820, AI364187, T35490, F12859, R35378, AA369819, BF877494, BF877495, BF955988, BE769588, AA169306, R05772, AA194113, AW996501, AA001824, BE939044, AI658789, AA905018, AW996634, AW057868, AW404006, AA430050, Z40765, BF431206, W40159, AW087302, C19047, R51240, R05858, AA693378, C01276, AI735529, R44456, Z38249, F02058, AA002028, AW473147, AI524541, R99667, AV646092, T48521, AI873873, H90424, N75320, AA296739, AL043736, T27288, BE171992, BE748278, C16664, BF667063, AI471687, BE545906, W28705, BE844099, W80725, AI932539, AA321790, D82809, AU136017, AI535689, AW391533, AW448998, AA766709, AW502434, AW977442, AA825646, AI056222, AI084972, AI784081, AI696000, AA026072, AI381964, AI275012,

HCONM62	460	101245 4	1 - 1884	15 - 1898	<p>AI040791, R51239, AA358951, AW169508, AI825932, AA812492, AI499892, AA744552, AI830084, AI831431, AI620315, AI024424, BE168242, AW070377, AI586971, AA678774, AA856729, AK001193, AK023171, AL050092, AK022637, AB018272, and AL050376.</p> <p>W18182, AL525625, AL516217, AL525577, AL516292, AL529355, AL518107, AL516216, AU141983, AA909718, BF797162, BE622593, BF688983, BF311705, BG117288, BE383732, AI935289, AI080630, AU134220, AA837568, AI680478, BE877487, BE799345, BE893825, AI951804, BE744943, BE880709, BF309943, BG170968, AI991856, BG032671, BF204389, AI418328, AI357756, BE869355, BG167780, AW514721, BF980576, BE902483, BE792330, AW001239, BF975628, BF982977, BG032139, BF690594, BF525334, BF684388, BG118865, BG167158, BE251548, BG122927, BG171316, BG259291, AL525204, AW305084, AW192510, BE541096, BF663597, BF182932, BF206116, BG163234, BG025967, BG106864, AL515477, BF970914, AA993402, BE378346, BG261021, BE874229, BE384576, AI963784, AW993536, BE547496, AW246394, BG113859, BF688592, BE512789, AW189185, AW439691, BE812374, BF205676, AW951440, BF033109, AU151473, AW245456, BE265299, BE312336, BF316503, AU151697, AU150525, BE407306, BF692367, AI762490, AU134112, N25538, AU159393, BE304333, AW296048, AA424439, BE780223, BG056169, AA604819, AU159323, BG112191, BE407298, BE812344, AU151618, AW410780, AI336881, AW468675, BG033215, BF928628, AA522716, BF755505, BF811268, BE044067, AU159742, N54545, AI922523, AI682016, AW247794, BE300178, AL525203, AI365462, AU151606, AU153392, AI951424, AW263576, AA622398, BF806870, AI989357, AI627223, AI890790, AI187155, AI371729, AA043459, AI951372, AI041776, AI159756, BE384278, BE928952, BG112278, BF569675, AA133071, AA047459, BE734100, AU120641, AW589573, BF346402, AW083362, W24389, AW072651, N76248, AA774414, AA424342, BE301090, AI075428, AI696741, AI753295, AA838037, AA548619, AA133070, AA132794, AI587117, AW197123, AA779035, BE966986, BF806863, AA088170, BE207325, AV656844, N34135, AI393008, H73708, AI476534, AI445307, BE328267, W29082, AA569485, BG009549, AA017383, BE174588, AA827611, AW779490, AA574398, AI290657, AI969487, AI084138, BE782015, AA047393, BG111353, BE812190, BF998419, AW601144, AA371969, T67525, AW874236, AI569140, BG165953, AL046641, AA226982, AA838649, AA088627, BF081730, BF325572, BE260928, BF798486, BF570004, BG250197, AA093382, BE937964, H63015, AW591486, AI370258, BE003077, AI567154, BF307874, H54695, H74223, BE909384, BF998405, N24832, AW514463, AI370348, AI174567, AA043460, BF804424, R74044, BE937910, N31758, AA376329, BF763897, AW469866, AI832887, BF944382, BF798766, AW262260, F03125, BF813431, AI026987, Z39968, AA954888, AA210678, H62886, BF745359, T19942, BG013875, BG011181, BG011075, AW952004, U22055, AB021491, AC008039, AC018662, U83883, AC006529, AI005814, Y14314, T69523, R00187, R00188, R49118, N24558, N67922, N93666, AA493178, AA531599, AA535083, AA535648, AA552531, AA633021, AA864940,</p>
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HOGU69	461	101245 9	1 - 1076	15 - 1090	AA08334, AA077821, AA077944, AA078391, AA078647, AA626147, AA653365, D19637, AI68896, AI691128, AI695498, AI783587, and AW085897. AI041834, AU131484, AI200980, AU131609, AIS23472, BF035100, BG260988, BE906446, BF679739, BF312184, AA916757, BE786938, BE907375, BE882435, BG104553, AW003881, BE541116, BG251041, AA489052, BE042721, N25127, BF109620, AL119362, AA575865, AI814469, N23048, AI188945, AW194097, AA814140, AA991228, AI828232, AA044782, BE252873, AW193148, AI085157, BE147999, AI022397, AI189984, AA724929, AI351066, AI056076, AA938240, AA96103, BE018234, AA280782, AA488800, AI087074, AI199451, AI128165, AA262090, AU138117, AW591232, AI355359, AI356853, AA524527, AI360277, AA033520, AA280788, N20582, AA559009, AA676465, AI088598, AI311465, AI354780, W15254, AW946384, AI914929, AA508033, AW081777, W37433, H99944, AA034194, W39240, AI750152, AI040726, H99681, N28443, W37434, AA508041, BE010703, AI095133, AA508696, W38448, AI891015, H99648, N24439, N28712, AA969522, AA508060, BF130256, AW886258, AW886126, BE833921, AI266525, AA935334, AW886221, N94573, AA446386, H95004, AA825415, AI149761, BE092707, N25807, AA229348, AA825216, N28974, AV708464, AA228658, AI358053, AI372872, H99558, AV709572, AA040692, AA878281, R20044, AA508042, AV713109, BE242250, AA040691, R33806, R14634, N57352, H95115, W30863, H99287, N79830, AA044805, AI040716, AW768986, AL036353, AA043927, AA351987, AL134252, AW998436, N27404, AA223132, N29420, AW029461, AI289949, AA423964, AA126593, N29428, BG170431, N57360, AI749508, AA033617, BF916002, AW798880, BE932959, AA127239, BE932960, AA423965, H23023, BE092701, AI686200, M74090, AR019525, M73547, AC008536, U28168, and D55682. BE738428, BE622930, BE388215, BE728140, BE273270, BE253146, AW975614, AI828072, BE622113, BE740360, BE256369, BE513955, AL049117, AW246698, AI937156, BF952983, AW025197, AI569648, AA777531, AI200937, AI373492, AW082024, BE266217, BE727220, AW615439, AI131087, AW294607, AI890725, AW026504, AI955337, AA291355, BG255058, AA604477, AA213760, BE396916, R43170, BE264280, BE266305, AW088137, AW130381, AW293476, AW024648, AA725718, AA243878, AW872893, AI079160, AA991781, AI024096, BE277815, BF762401, AA714463, W04697, BG164126, AA749289, BF312230, AW173655, BF311310, AW872898, R72214, BE275756, R72173, BG035135, T81447, AA287579, AA852947, AI420773, BE273124, AI918030, AI934666, BE313702, AA287580, BE207070, D31321, BF884206, R81123, AA707587, T81446, BE737821, AI187858, AA703769, AI918961, H39080, BF206747, BF725734, AA852946, AI003595, AW196317, BE260174, AA426248, AI380772, BE295171, BE264554, AW009932, AI014898, AI699193, AA403296, BF342292, BF725972, Z41538, AI686972, AI468396, BE270370, AW081691, BE263952, D31040, BF207215, BF972786, BE294861, BF089748, W31799, BE882427, BF310977, AA243886, AK025906, AK024609, AC002472, and AC007664.
HVVBD93	462	101246 9	1 - 1081	15 - 1095	

HCOMV86	463	101248 2	1 - 1807	15 - 1821	AA868382, AI207418, BG106534, BG176917, AW131668, BF663200, AA603100, BF663334, BF663905, BG107139, BF794643, BF974604, AW515958, BG024963, BG106095, BF976578, AW574923, AI889774, AW854143, AV705121, AI817360, BG176945, AV705966, AW170583, BF891177, W87428, AI572923, AA417879, AV703116, AI433246, AW474013, AI920980, BG105961, AW404796, AA866201, AA622265, AA708855, AW405212, AI433215, AA419168, AW576067, BF846835, AI865230, BG024329, AI250702, AV759623, AI335036, BF874093, AW337397, AA978343, AW946904, AI224372, AV715313, AW406262, AA633257, AI831123, AW405771, AV691913, AW339958, AA679851, AI719939, BF891202, AI025871, AA634860, AV716938, AV707481, AV657580, AV714394, AA482466, AW402670, AA938301, BF884309, AI193894, BG024343, AA887979, BF377745, AI633727, AI301482, AW518174, BF868985, AW406412, AA775022, BF868701, AV717599, AW402410, AW406310, AA878538, AW406867, AI573045, W87573, AI433194, AI905912, AI819482, BF891581, BF891575, BF891196, BF874104, BF891027, AI758717, AW406295, AW016654, BF963070, BF869315, AI709196, AV693491, AI887132, W37302, AW770000, AW629664, AV735238, AI344688, AW406388, AW574680, AW575158, BF874095, AV727005, AA131654, AW518347, AV713842, W01611, AA995292, AI250681, AW368560, AI306398, AW796429, AI214199, AW575231, AA954002, AI469330, AW007639, AA845737, AW403503, AI272852, AA405114, AA858023, AI523647, AA968577, AI078594, AA989677, AI864521, AW192127, AA862420, AI273233, BE041211, T89647, AV727711, W37301, AW192128, AA385676, BG232008, AW403818, AW403480, BG236461, BE246199, D57806, AI360538, R62321, BF343902, AA977287, AV763632, T65859, BE246261, BE155442, BF950596, BE696751, AW614870, AA367085, T63635, AW576013, AI500121, AW800018, BF353789, BF858183, BF891573, AA348102, BF890947, AV734144, H92391, AW404237, AI249268, BF330961, BE155481, AA165543, AI203724, AI816964, BG025857, AI627929, AI865046, BE041320, AA131588, AA360864, AI954329, BF891068, AI934580, AA159773, AW606233, H83811, AV689952, BF334881, BF896819, BE044123, AW969439, BG058567, BE155291, AA854297, BE696744, BG106291, AW406039, AI141141, BE696755, N70844, AW403090, W16836, BF378554, BE827807, T28717, BF891186, BE706608, AW959352, AI913770, AV654767, BF334885, AI340964, AA635838, BF360093, AA564957, AA746256, BF360078, AI865301, AA346471, AI803471, AA494554, AA652656, AA918569, AI468886, AW608229, N40858, AI149461, X00033, M34996, X00452, M26041, X00370, M20506, M33906, M29616, M17236, M29615, Z84490, Z84489, U92032, M11124, M20431, U77589, J00199, AF201297, AF201293, AF201294, AF201295, AF201296, S40624, M16995, L34082, L42625, L34086, L34083, L34084, L34085, M17237, L34352, U42407, L34088, L34089, M93433, D50045, M93431, L34087, AF037314, L34094, L34090, M29939, L33909, L34091, L34092, L34093, Y07820, M29938, Y07819, D50454, Y14022, M33305, K01923, K01922, X14879, M17846, M17847, M15557, K01926, AF027865, AF050157, D50046, AF012768,
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HCONJ23	464	101251 9	1 - 2066	15 - 2080	<p>AR033963, K01925, M74907, M74909, M74908, Y07942, M74910, Y07944, Z26591, Y07943, M22366, AR033964, AR033962, K02815, X00455, U91907, M95170, M59802, U47858, M34999, AF109734, L12914, L12915, L12917, L12916, S69985, E01702, I40296, AF126253, M18935, AF038155, X00454, U03580, U85035, M76189, AJ130870, AF031277, L12921, M95728, U44842, U75455, U44790, U44786, L12922, M34997, M95727, Y09968, U44788, U61400, U47857, L12920, L12918, X71614, X00456, M76228, X71616, U97555, AF110840, AF110843, U03675, M76212, M76218, AF110835, AF110836, M76195, AF212830, M76200, AF091332, AF091336, M76194, D88626, M76199, D88643, M76207, M76225, AF110845, T63324, AA494496, AJ349113, and AW337624.</p> <p>AL521287, AL521286, AU121333, BF034311, BG110423, BF982633, BG036657, BE889009, AV729379, BG168009, BG109870, BG258659, AI871993, AV658812, BF924696, BE789299, BE439392, AV705254, BE537571, BG250363, BF980701, BE785130, AV713479, BG259998, AI127415, AV714279, BF696027, BF577070, AI590917, BE882652, AW955631, AW855845, BF243381, AI435362, AU123306, AI984070, AW950649, AA767367, BF196954, AW949971, AA777629, AU152315, AW391781, AA779983, BE837794, BG032566, BE827757, AI354543, BE538840, BE717861, AI768125, BE717868, BF241607, AA426581, BE717859, AU153311, BE717848, BE827713, AU151880, BE827712, BF435369, BE717784, AL538303, AU146818, BE837746, BE827708, AW029240, AA670141, BF541036, BF197078, AA846794, AW338008, AI290479, BE717864, AI566144, BF241865, BE717766, AI697905, AI435413, AI275053, BF109919, BE837686, AA429080, BF343367, AI935821, BE830406, AA258548, AA992354, AW328118, AI538483, N23156, BE717719, AI332908, AW197265, BE302002, AU158434, BE540701, AA829064, AI435147, BE830389, AV656425, AI968065, BE717822, BE830411, AV687182, BE830409, N55086, AA476392, AI141833, AI937312, AI799494, AA448823, R93768, BE717823, C05021, AA448822, BE830419, BE830546, AI266320, BE717792, BE830393, BE717805, BE837744, BG261310, BE830457, BE538541, AA258602, BF815967, AI140691, BE830514, AA479965, W23180, AA625070, AW051979, AI188905, AW104834, BE538228, BE830551, AI022795, R41740, AI474203, AA233917, AW805520, AA478745, W90651, AI961454, BE717826, N67224, BE620125, BF204054, AW515522, AW385321, AA055196, AA938572, BF114988, BE717753, BE767225, BF447344, R98972, AI168789, AW168671, AI375094, AA344073, AW805519, AA992343, BE837650, H12351, AW834700, BE830554, BE830539, BE830558, AA055286, AI810280, AI283725, H59983, T88778, BE830459, R98882, AA383987, AV760328, N34539, AI918061, AA328975, R48616, BE830479, BF939050, R17189, AA037794, BE830556, BE837724, BF939897, BG259278, R48722, BE830559, BF057817, AI674862, BE792039, N62785, AI864068, BE830468, AI468804, T35292, BE830439, W07252, AW192978, T97604, R27615, AA303044, AA344116, AI758453, N78823, AA298049, AI864841, AI968791, BE830403, AA234165, BE830530, AI630255, N77297, T97557, D12223, F00453, BE830454, R30849, N32736, AA812484,</p>
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HCONN76	467	101254 5	1 - 2256	15 - 2270	<p>AW472734, AI312541, AA430973, H97768, AA331080, N52509, BF924681, T80777, AA347258, AA004323, AI136971, AA025214, H80906, T63236, H62022, H62577, AA359052, AA328422, H62510, AA004410, H61487, AA079158, AW237586, BF868434, BE834056, T71911, AI611706, AA026003, AW748653, AA377017, W44421, AW605658, AA137080, BE091328, T81178, AA532656, H15642, BF958447, T24666, BE937737, W03725, X71440, S69189, U07866, J02752, AB034914, U03267, U03264, U03266, U03268, U03265, U03263, T66677, and T66678.</p> <p>AU121806, AI419322, AI375649, AA740857, AI923670, AU135618, BF974977, AI018493, BF972585, AV703204, AI580165, AI358951, AI949126, AI686544, AA890179, AW276428, BF974392, BF057399, BF593620, AW574807, AW384107, AW384111, AW384089, AA419530, AW384094, AA457042, AW378570, AW384086, AI689293, AW273393, AI610786, AI421949, AW954203, BF740135, AW305311, AA826781, AA148159, AA143789, AI243289, AI093096, AU147786, AA928572, AI094995, BF971481, AU154441, AA593863, AI991650, AA974953, AA630151, AW241907, AA487958, AU147378, AA112842, AI289031, AU148064, AA262949, AI187750, AA477235, AU152719, AI192762, AA291508, AA835410, AU147554, AA410900, AI275426, W63575, AI346888, AA975468, AI031872, AA149698, AA858199, AW090334, AA765920, AI347761, AI027390, AI734036, AA233688, N35403, AA233694, AI524762, AW169347, AI393690, AA233658, AW408537, N31876, BF683137, AI347762, AA232871, AI968983, AA233653, W49782, AA425969, AI961848, AW470581, N23975, AI218887, AI142748, AI379185, AA134943, AA053202, AA053117, AW360883, AI167537, AA514209, T60073, H61837, AA904089, AA127822, N30725, AI581987, AW802186, AA456886, AA426260, BF739150, AA456006, AU156178, AA127870, BF432078, AI468773, AA865246, AA587601, BF737239, BE710654, AA405416, BE699641, AA970821, AI263749, AA193601, AA954886, AA193638, AA402922, AA306065, AI000822, AA411349, AI150890, W48763, AI074634, AI382743, AW376350, AA477236, AA366868, N36466, AW794580, N25748, AW749051, AA295337, T28945, AW802239, AA295418, T99843, N98766, AW798065, BE886694, N48037, AA304560, AA004402, R35815, AW748384, AW390099, W30997, AI460116, AA303818, AW505188, AI915251, BG055292, AA128000, AA135020, AA421890, AA487959, AA304120, AA370424, F01957, AW793017, BF379088, AA151896, AW236287, R00415, BE243368, AA702709, AI559797, AI953687, AV699166, N41337, AW880777, AA294897, AA307162, F05704, BF115416, BF908893, BF925691, AW496798, AI825370, AI953746, C02666, BF953388, AA361869, AW371607, R74116, AI128097, BF129208, AU121592, H61838, AU133022, AW403738, BF974893, BE005171, BF836392, AA004322, AI865200, BF739143, AU122119, AA525968, AI432644, AI623302, AW059878, AI432653, AA521365, AW969217, AW081103, R88402, AA287544, AI431307, AI431316, BE893692, AI432654, AI431238, AI432650, AL134524, AL119457, BE880000, BG028055, BE782316, BE877515, BG024493, M30817, M33882, M65087,</p>
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HODEG95	469	101259 9	1 - 735	15 - 749	AV706891, AV707794, AV702857, AW964231, AV728309, AV705290, AV762633, AV702172, AW955724, AV759559, AV759295, AV718260, AV760777, AV763401, AV764379, AV762098, AV761107, AV711465, AW955841, AV762067, AV764051, AV763276, AV711535, AV759149, AV762973, AV709273, AV759340, AV764176, AV763457, AW966064, AW963489, AV759766, AW953953, AV759660, AV733749, AV761524, AW963592, AW962006, AV763178, AV759437, AV763439, AV713243, AV762870, AW957644, AW964213, AV764329, AV706410, AV759919, AV755512, AW962942, AV761904, AV763417, AV759967, AW962264, AV760725, AV759435, AV761127, AV726754, AV763558, AV762015, AV729411, AW962136, AW962444, AV732986, AV759191, AV762393, AV728369, AV764228, AV759557, AV761714, AV759199, AV729657, AV761862, AV760106, AV703998, AV763388, AV729947, AV711430, AW961606, AV710404, AV762730, AV762852, AV759290, AV707230, AV759503, AV760721, AV734690, AW956077, AV761273, AV733830, AV761653, AV760371, AV764230, AW958318, AV760508, AV759329, AV706814, AV759112, AV763684, AV759541, AV735132, AW961593, AV734859, AV764078, AV763418, AV762009, AV757642, AV759972, AV760230, AV764034, AV759417, AV762059, AV762242, AV757526, AW962713, AV759507, AW963895, AV759675, AV652936, AV710733, AV755677, AV759359, AV758355, AV756020, AV762898, AV714057,

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HVVR10	471	101261 8	1 - 2252	15 - 2266	<p>AL521365, AL534986, AL521008, AL534987, AU124976, AU125116, AU125116, AL536239, AU1251364, AU1251160, BE273395, AU143143, BF984395, AU121881, AU143472, AU124409, BF974694, BE908198, BE794827, AU119610, BG116905, BG168288, BF972306, BG259845, BG031067, BE872969, BF967432, BE882029, BG250958, BF975499, AU137954, BE621284, BG024594, AL041284, AU120134, AW954857, BG116967, BE904930, BE876141, BE256789, AU139025, BF038339, BG030846, BF446656, BE898416, BF976624, AU128650, BF306610,</p>

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HVV BK78	472	101264 5	1 - 630	15 - 644	BE762446, BF964007, Z99396, BF868887, BE705905, AW861954, AW861944, BF868697, AW804686, AW372827, AW604723, AW392670, BF868684, BE695785, AW969818, AW858526, AW858525, AL119497, BE705903, BE705906, AW969714, AW577135, AW384394, AW861889, AW858455, AW877209, AW363220, AW969819, AL119319, AL119363, AW979212, AL119443, AW975037, AW973185, AL119496, BG059382, AW969885, AW979204, BG153750, AW604726, AW973270, AW970113, AW972884, AW973189, AW971387, AW973202, AW972695, AW973805, AW973770, AW973213, AW972719, AW976515, AW975976, AW979165, AW976510, AW971954, AW972680, AW975975, AW969884, AW973130, AW972943, AW969759, AW979083, BF592735, AW976982, AW970587, AW975876, AW973650, AW979175, AW973986, AW979064, AW975938, AW975016, AW975019, AW975138, AW975966, AW975968, AW970921, AW969766, AW979116, AW972806, AW973987, AW975910, AW975943, AW972689, AW972706, AW973164, AW970097, AW973824, AW971964, BF588769, AW975904, AW974379, AW969752, AW976037, AW973718, AW973967, AW975933, AW973734, AW979169, AW973207, AW979176, AW972882, AW973104, AW975028, AW969782, AW970868, AW972868, AW973985, AW973210, AW975648, AW971129, AW971403, AW973209, AW975971, AW969930, AW972864, AW973219, AW969658, AW972440,

	473	101264 6	1 - 733	15 - 747	<p>AW979178, AW972883, AW979081, AW972933, AW973167, AW975162, AW979024, AW973193, AW972637, AW973750, AW971183, AW970110, AW972705, AW972827, AW973946, AW976012, AW979147, AW972823, AW970589, AW971259, AW971350, AW975261, AW971367, AW972685, AW972690, AW972817, AW979294, AW972371, AW975229, AW969740, AW970978, AW971968, AW972880, AW979085, AW979228, AW972699, AW979220, AW973190, AW974915, AW973088, AW975569, AW975173, AW975955, AW974107, AW971429, AW969861, AW979219, AL036418, AW972808, AW973728, AW979210, AW969839, AW972212, AW972866, AW972417, AW973271, AW974338, AW975018, AW975928, AW979201, AW972837, AW975964, AW975693, AW972816, AW979090, AW969753, AW973997, AW975106, AW975168, AW974089, AW975025, AW971415, AW972711, AW972889, AW973804, AW971414, AW971413, AW975031, AW975914, AW975922, AW972710, AW973740, AW975172, AW975387, AW969913, AW973200, AW975691, AW979078, AW968351, AW973961, AW975157, AW975174, AW969815, AW975022, AW975351, AW973829, AW975112, AW970860, AW972150, AW969719, AW973825, AW979084, AW971409, AW975986, AW971096, AW971732, X75756, AL135858, Z34524, A81671, AR060234, AJ279014, AR066494, AX046357, AR023813, AR064707, AR069079, AR054110, AJ251859, AX030435, and AB026436.</p>
HVV BK73	474	101265 2	1 - 1044	15 - 1058	<p>AU139028, AU136137, AU137891, AU135546, AU138700, AU137082, BF992828, T46923, AU136711, BF992829, BG002838, BF956994, BF997301, BF997306, BF803266, BF812082, BE929910, AA299528, H04349, AA367974, AA300047, BF086216, X78212, U11862, U11863, AC006343, M55602, and AF218035.</p> <p>AI684897, AI200892, AI478735, BE561321, BF001430, BE269337, AW274694, AI798122, AI554504, AI554553, AI681112, AA576942, BF064055, BE559728, BF063173, BG057298, BE269083, AI281053, AA291322, AW661889, AI311456, BF514281, AI347538, AA291323, AA835642, AI417683, AW080290, AW015465, AW510740, AI620444, AI659037, AW977226, AA731234, AA642457, AA689434, AA731232, AI797545, AI425078, AA947102, AI280944, AA809333, AA732232, AA737649, BF055737, AL513907, AI637584, AL514919, AL515375, AI824557, AI284020, AL514627, AI701074, AI520785, AI362637, AL514357, AW198090, AI889376, AI433157, BE048071, AL513553, AI702068, AL514473, AL514691, BE018334, BF726504, AI274013, AV729336, AL514929, AW827289, AI801544, AL514063, BG180034, AL514205, AI564719, AI624279, AL513977, AL515019, AI567351, AI560099, BG249582, AI475817, AI539687, AI047763, BF726868, AL515191, AI590227, AW243820, BF793324, AI569583, AI702406, BE047737, BG112718, AL040243, AI702073, AL513781, AI538716, AL513693, BF727092, AW262565, AL514025, BF726322, AW663332, BF726451, AL514085, AI925156, BG164371, AI610402, AW169671, AL515413, BE904178, AL045266, AI608936, AL513999, AL513779, AL045500, AI567993, AL513597, AW303152, AW827276, BG120816,</p>

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HVVBJ28	476	101265 4	1 - 1936	15 - 1950	AL528408, AL522973, AL529995, AL530141, AL526233, BE275004, AL529395, BF343867, BG256905, BE872845, AL526193, AL529394, BE868712, BE883888, BE273090, BE383725, AA399958, BE388651, BE391299, BE895693, AW967063, AA165444, AW009236, BE395414, AA017606, H29686, AA683274, AI751272, BE544783, BE671807, AA165445, AI823998, AI659213, AW270895, AW302260, AI937006, AW470682, BE968707, AV755754, AA317291, AI337198, T63207, AA393623, AW805340, AI751271, BF889263, AA401400, AW805193, AI075114, AA088644, AW002097, T62957, AA317025, AA017493, AI627659, AA400608, AW073145, AA019385, BF941438, AW271790, AA700742, AA789211, AA088225, H29600, AI760822, BE183202, AA019384, BF590759, AI284395, AI865624, D59319, BF593686, AA401401, C20664, AA677572, AI767804, AF026851, AF151033, and AB019410.
HVVBR45	476	101265 7	1 - 3619	15 - 3633	AU120634, AL528938, BG116777, BE744455, BG024541, BG105634, BF526006, BE548428, BF340790, BE297483, BF795604, BG250467, AW950002, AU124855, BG177719, BG035815, AU128003, AI908284, BE382499, AA129775, BG254170, AI279893, BE747515, AI827715, AA527855, AI885559, BG027992, AI991310, BF527629, AI885197, N25675, BE222933, AU129326, W58477, AI890549, BE968759, BF983508, BE788617, AI040322, BF737414, H93013, BF344426, BE897190, AW007050, AI924625, N25714, AI446043, AW118763, AA493370, BF057508, AW873581, AI860982, AL526630, BE046501, AI912360, AW516934, AU151479, BF762977, W73794, AA496467, BE907961, AI814467, AA142925, AW362918, AL157574, AA856581, AA948060, AA043690, AI872192, AI147489, N34061, AA878451, AA844016, W58403, AI860592, AA232217, AW086196, W75973, AI268108, AI141580, W73743, AI207799, W69080, AI366057, AW080053, AA028882, BE786506, AI366035, AA854738, AA564463, AI131222, AW303984, BF737413, AI033389, AA143148, AI761635, BE173656, AI280409, BF852593, AA780584, AI890510, AA977605, AA879112, AI609052, AA936565, AI274918, W23983, BF874699, AA693455, AA135704, AA845282, AI679279, W69683, AA701883, AA580563, BF796519, W00612, BF738570, AI148025, N24101,

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HVVAF41	477	101266 5	1 - 1389	15 - 1403	BE748731, BE748763, BE748704, BE748542, BE738542, BE379806, BG248894, BG254845, BF793482, BE739520, BG024667, BE546206, AV764107, AV710004, BG165568, BG106140, AV653833, BE880236, BE748668, BG032118, BG119765, AL036245, BF676015, BE778251, AV710461, AW955246, BF672659, AV757407, AL036186, BE881539, BF672708, BG030502, BF699618, BF672658, BF211316, BF669231, BF666671, BG166568, AV658796, BF212420, BE748247, BG169620, BF212264, BE884781, BF667759, BF699625, BF207694, BF665900, BE777521, BF215125, BF701217, AV650138, BF574853, BF575581, BF211437, BF791257, BE566395, BF665569, BF700142, BE379886, BF668671, AV715701, AV715023, BF669152, BF666977, BF672605, BF665908, BF576266, BF212430, BF665627, BF699403, BF698941, BF699441, BF238765, BE569019, BE566225, BF207543, BF207758, BF242453, BF695572, BF665909, BF028287, BF211015, BF667649, BF677662, BF103958, BG110207, BE738197, BF668144, BF184116, BE958206, BE379971, BF028523, BF209852, BF694862, BE866755, BE739256, AA579646, BF701199, AW817835, BF667118, BF672681, BF978665, BF669842,

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HVVAS32	478	101266 8	1 - 4157	15 - 4171	AW439529. AU117687, AU120134, AU125859, AU141795, BF338690, AU971505, BG260766, BE727695, AU138149, BE732674, BE741166, BE745613, AW131381, BE744243, AW150931, AV764246, AL044641, AU971178, BF831776, AA599281, BE786429, BE257208, AU139246, BE58499, W92092, BF692035, AI693264, BF939859, AI683633, BF061034, W92093, BE551039, AA846793, AA427377, AI684721, AA433953, AW058326, AL043562, AI935485, AW613960, AW391916, AI567914, AU149435, BF877944, BE169589, AA854346, AA514743, BF75647, AI581852, AA808308, BG057363, AI043563, AI859960, AU159262, AW952879, AL044640, AI032514, AI382127, AA576494, AA843088, AA720709, AU135064, AI949864, AW268403, AA847376, BE962482, BE349163, BF877943, AA429195, AI673566, AW513956, AI142849, AW270136, AA594908, AI168784, BF857019, AI825660, BF877936, AA761810, AI689188, AA936294, AW576413, AA845619, BF833050, AI418262, AI953507, N47490, AI192522, AW166967, BE835371, N53479, AA127633, BE617953, AW139924, AU144454, AA678097, AA453877, AI400168, AA706391, AA778213, W92032, W92031, AA418253, AI350330, AI348670, AA804820, AW051125, AA600088, N24598, AI656347, N75234, AA643589, BF833041, AI910773, W94011, N59208, R42250, AA693402, AW137406, AW206926, R60845, BE698412, AI184175, AA844415, AW207625, T96124, AI951892, BF918428, T03367, AI803853, AW605293, AW580235, AA031876, AA977276, AI336063, BE858914, AA542903, AI375805, AW515260, AW102614, AI858306, BF223004, AI190434, AI458639, AU157488, H82547, BF057140, AI282131, AA579478, R60844, D52307, AA453793, AA890342, AA485974, AI015439, AA652176, AA487810, R67353, AA031693, T32381, AA506974, AV690188, AA761261, AU157936, AA292162, AI023077, D55029, AI351404, H61254, R66521, BF901978, AI499633, AI203096, AW517882, AA379322, BE160959, AA350998, BF832853, BE767209, BE698644, R18270, F05773, AA292062, AA366547, AA947859, AI091597, Z38999, AI085064, AU155801, N72482, AA665720, H27423, F06075, F05144, BF834828, AW499610, AA931469, AA352929, BF591468, AW003465, AI720511, H61258, AW262506, BF827136, H56319, F02019, T96206, AW951526, W93956, AA342105, R05672, AA938283, BE092950, R40996, T29860, R14476, BE931304, BE697040, AI493790, AW272129, BE465859, AW337569, BF800670, BG007446, AW384759, AI678495, AI940793, AA523479, BE041717, AA127632, AA342263, AW449753, AA781268, BF833246, BF901180, AW796005, BE044247, AA579129, F01390, AI653140, BE765292, AA195493, AW139772, BE937845, N40808, BF155720, BF822728, AA379402, AV704341, N47489, X75304, D25542, D25543, AA948224, C01413, AA456361, AI168811, and AI689970.
HVVAQ70	479	101267 8	1 - 1441	15 - 1455	AI885244, BF034672, AU123624, BE783137, AI741132, BG166410, AA732560, AI635830, BF967991, AI924179, BE548833, BE885454, BE548297, AA133349, BF983768, BE619631, BF034843, BG032544, BE619045, AV713932, AW003603, AI858259, AI858621, AW665674,

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HVVAQ22	480	101268 4	1 - 2477	15 - 2491	<p>BG035278, AW439636, AI720580, BG251307, AW152647, BE858233, AA846544, AW958873, BG123005, BF448602, AI922544, BE393115, AI095622, AI129334, AA454065, AI042420, AW445149, AI925396, BF433345, AA613660, AA526844, AA541652, BF800735, AI125298, AI186177, AA494344, AA613440, BG110232, AW130308, BF126435, AI126911, W72714, AA460946, AI048605, AA635415, BF061310, AI187345, AI679797, AA927694, AA991772, AW169345, AI146909, AA935323, AI141982, AI039662, AV726350, AA595987, AI143142, AA526603, AW956892, AI203856, AI041798, AA564147, AI074102, AA142908, N99150, AV726204, AW961250, AI192623, AA594463, W95026, AA715244, AI167714, BF681572, BF681252, AA715250, AA916523, AW239362, BF679172, AA613293, AV648901,</p>

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HTAES83	481	101269 3	1 - 3090	15 - 3104	AL528871, AL528870, BF689540, AI088498, BG029109, BG163818, BF690458, BG121525, BE677687, AW118573, AA293678, BF939462, AW009834, AA477666, AI985062, AA477549, AI660877, AA744380, AI760847, AW075908, AI308772, AA603083, AW188550, AI359884, AI003144, BF846444, AA827136, AA857190, AW014572, BE779584, AA291912, AW204044, AI457772, AW394050, AW604877, AA425834, AI989635, BF224014, AA428432, AV761585, AI251454, BE242176, AW083897, BF893844, BE812514, AI289616, AI537835, AW601203,

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HOCMN67	482	101270 0	1 - 1363	15 - 1377		AL524901, AL524902, BF346000, BF974670, BE300440, BE613761, BE298717, BF305443, BE737079, BF315660, BF975373, BE900875, BE794605, BE561418, BE297884, BE396794, BE513285, AL529353, BE560182, AW732675, BE560298, BE396870, BE392195, BE251954, BE397849, BE559742, BE869296, AW674368, BE273242, BE513542, BE939301, BE396873, BF899554, AL523561, BG036335, BF975060, BE712864, BE712991, BE712989, BE712980, BF366123, BE764733, BE816334, BE712872, BE889264, BE939316, BE712995, BE712968, BF091964, BE836278, BE712925, BE712910, BE712914, BE712939, BE713048, R88246, BE712933, BF590942, BE712954, BE836306, BE712957, BE712905, BE712898, BE793722, BE712951, BE713021, BE397330, BF353840, A1424305, BE713046, BG259170, BE764762, BE712893, BE711115, BE713029, AW966962, BF663330, AW843896, BE712941, AW245699, BF353844, BE836190, BF993734, AL119235, BF806263, BE247329, BE712941, AW245699, BE713039, AA324644, BE713045, BE712907, BE713000, BF353823, BF935628, BE764756, BF767291, BF873692, BE256697, BF312944, AW793930, BE713031, BE939814, BF905030, AW246049, AA255647, BF898057, AW967945, AW408770, BE071408, AA291247, BE071380, BF803081, AW856222, BF751657, BE071379, AW881797, BE838899, BF942875, M80776, X61157, M34019, M87854, S48813, S81843, AF087455, M87855, U08438, U08437, U08435, Z64532, U08436, and AB012255.
HAPOW35	483	101271 1	1 - 684	15 - 698		BG107619, AL522537, BE787836, AV762511, BF248284, BF667269, BF577158, R11727, BE565643, AA378120, BE798891, H08058, BE293634, BE395888, AA232695, BE250045, AA195384, AW327299, A1915592, BE733913, BE538250, A1123566, AA456540, BF572380, AA312705, H19735, AA442143, AL522536, BF978828, and AA418920.
HOVJM48	484	101308 5	1 - 987	15 - 1001		BF514360, A1984072, BG104550, AW968769, AA447067, AA490806, BE866640, AA683471, BF155603, BF088348, BF088352, AL119141, AA490615, AL037910, AW591443, AA857381, W23546, AV762136, A1524540, AV682490, C14692, AW402458, AA508873, AV764104, AW977540, BF475757, AW276984, AW513195, T52478, AA176605, AW819567, BF766734, BE151470, F17700, BG057491, AW819626, BF964699, AW780137, F32710, AW151764,

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HBHY84	485	101321 3	1 - 1512	15 - 1526	BF513481, AI979334, AV750733, AW150342, AIS54025, AI917181, BE466873, AA677977, AA836452, AU129610, AA747905, BF379175, AA214482, AL453218, AW959298, AI275918, BF059687, BE067524, AA810010, AW379211, AA301486, AA214481, AA214445, BF379159, AW082876, BF379158, AA721103, BF355470, BF355489, BE939440, BE548541, AB046771, AK000688, AK000703, AB052148, AK001514, and AL356321.
HODEY05	486	101321 5	1 - 980	15 - 994	AA676907, BE907847, AA151808, BE178106, AA465289, AA099035, AV681964, BE931939, BF126400, AV713960, AI968768, AA169424, AW070222, AW243844, BE348296, AA586596, AW016834, AW816384, AA761449, BF222953, AI990337, AI718942, AI807357, AI805276, AW510884, AI026648, AI655423, AI337899, AW514709, BF108752, BE326928, AU150814, AI925967, AI688125, AI334211, AI458611, BF055542, AI367596, BF446726, AI017955, AW273107, AI719981, AI653813, BF239166, AW117292, BE464800, AW003783, AA992935, AA151706, R34792, AW193690, N56974, BE326479, AA826184, N50399, AA903397, AI623937, AI626024, N64085, AI627773, AW515818, AI491985, BF955678, and AK001514.
HFIAS44	487	101328 8	1 - 1810	15 - 1824	BE886149, AW375593, BE269242, AW957836, BF330063, AW375621, AW957911, AW846341, AW375628, BE514122, AW846424, BG030265, AI811330, BF530319, BE869746, AI815588, BE868627, BE732069, AA557637, AI568426, BF313483, AL041389, AW402679, AA406384, AW375475, AI934752, BF155423, AA406342, BE168512, AI968463, AW973674, AW607132, AW846515, BG254619, AA406497, AA313680, BF816414, BG248281, T18893, AW604300, AW604302, BE538503, BF743311, AI206416, AA406519, BG248377, BF732203, BF854744, BF331846, BF087586, R17426, BF834809, T31135, H80276, AI784072, T65203, AW875193, H80290, BE535225, AA247392, AV750366, BF896281, AW973606, AV746827, H60654, BF922334, BF922374, BE936802, BE834304, AI695115, AA813331, AW975890, AW962644, BG236141, AI983327, W56290, BF197086, AA444138, AI816541, AA514456, AA843581, AI049963, BE221699, AI587092, AA250772, AW263993, AA046111, AI206498, AI183986, AW513618, AW664318, AW771830, AI888536, BE221175, AA485368, AA628369, AI580963, AI367671, AA443975, AI049696, AI061268, AI366699, R23237, AW169087, AW151048, AA369024, N24093, BE075974, AI872289, AI049602, D80579, AI150944, AI626126, AI870066, AW166332, AA098961, AA283206, AI887547, BE075635, BF887600, AL121101, AI338261, AA047064, AA182785, AI252230, AA411078, AA412144, AW662033, AL041390, BE542595, AI761472, AI813797, AI762565, AI275243, BE926636, AA612773,

HHAUD68	488	101334 9	1 - 2010	15 - 2024	<p>AW083385, H75862, BE177211, BF920669, AI439641, AI446245, AA394292, BF792218, T46989, D80917, AI421432, F28348, AL042057, BF770820, AA341173, BF344147, AW376053, T65134, BE882809, AW373604, R42660, AA425546, AI525082, BE793306, AI701307, AI560582, BE076123, F37277, BE882207, AW376051, AA191047, BF332146, BF438079, AI969522, AV751041, AA485525, BE550929, AA247233, BF760530, BF888351, T46988, AI004074, BF888352, AW504741, BF734486, AA369025, BF082836, H80373, H80386, AI690040, AA047063, AA187777, AW080581, AW375985, AA098828, BE816499, BF333303, BF333306, BE816510, BF333319, BF333295, BF333315, BF333317, BF333311, BF333307, AA378406, AF124727, AB014570, AF124726, AF124728, AL050382, AF124725, AF168782, and AF124729.</p> <p>AU125260, AU143224, AU137482, BF979962, BE905320, BG110056, BE888357, AW954111, BF026567, BG029311, BE886387, BE787743, BF036993, BE005810, BE066803, BE005792, BG106111, BE005659, BG030463, AV716755, BE066786, BG031259, BE778590, AU135372, BE887428, BF034840, BF338135, BE868838, BG112573, AV712560, BF214840, N45714, BF213704, BF028304, BE885061, BE536630, AI356584, AI347088, BE395083, AI681921, AI188394, BF858245, AU126274, BE777483, AI096867, BF678510, AI949239, BF184121, AA707270, AA633307, AW958965, AU157193, AI690981, AW239297, AI200952, AI669681, BE005608, AI798809, AW089548, AW008494, AI890758, AI018475, N23783, AA725815, AW470025, N51271, BF247190, AI568976, AI359668, BF695947, AW009914, N20100, AI139586, BE044205, BG120837, BE005731, AA860476, BG037171, BF825690, BF857560, AI129987, BG260980, BF826918, AI718666, AI207986, N51936, AA768749, AA912686, AI383741, BF857536, AI245880, AI189601, N67649, AV654895, AA946580, N48992, BF826941, AA632226, AA167747, AI356794, W46970, BF826915, BF026656, BF058150, BF858239, BF826920, AA056425, W47070, N95707, AI911483, BF840837, BF857539, BF244858, BF696908, AW771738, BF840835, H82727, AW377477, BF241650, BF857561, BF572620, W70038, BF857538, BF837203, W81364, AI219967, AI245295, AI383740, BF837231, R62245, BF825157, AI961325, BF826913, AA487374, W38741, AI183329, BF826942, AI681827, BF826926, AA659102, AA828479, W00832, W81623, AI827180, BF516055, BF691072, BF825243, BF577004, AA487168, AA332859, AI129023, AI017064, W04513, BF381139, BE243202, AA384913, AI538100, AW770150, AA167647, AA361670, R59853, AA374619, W31455, AA056374, BF028286, H83601, AA865845, BE242044, AA723853, BF215949, R17124, AA064891, AI302004, AI121936, U90549, AC018752, AC073095, W01099, AA177121, AA249743, AA487257, AA487320, and AA680190.</p> <p>AW959616, AL135608, W22896, AV691197, AV692570, AA157308, H23082, AV683581, AA062798, BG249373, AI934999, AA480943, AI969520, D81149, F07060, W90404, AA299769, D60727, BF904504, AA233997, AI829619, BE876051, AA299827, AW006228, AW502192, AW499693, AW499650, AW501778, AW499690, AW471169, AW502898,</p>
HEEA89	489	101343 6	1 - 770	15 - 784	

HNTAK22	490	101352 4	1 - 3509	15 - 3523	<p>AI354690, BF448640, AA315165, AA643671, AI494218, AI343102, AI749069, AW104946, AA494510, AW004706, H51057, AA773322, AA483147, H73553, AI918100, H59236, AA158176, and AF071172.</p> <p>AL536370, AL533357, AL533536, AI131336, AW007658, BF344552, AU120249, AI005333, BF968191, AU123605, BF339036, BG104516, BF342185, AI818341, BF341089, BF338566, BF448661, AW519118, BE897793, AI922459, AA595338, AA481702, AI573172, BF343104, AW580751, AW029232, BF338201, AA481466, BF341564, AI811324, BF340578, AA522691, AA838064, AA431924, AW960586, AU127761, BF340086, AI249784, BF737829, AI907170, BF724377, AI332914, BF724960, AA490462, AI167296, BF724935, AU146370, AW838943, AI247322, BF091112, AW571482, AI972197, AL047823, AI452419, AI913043, AI281146, AA973378, BE839067, AL047803, AI566503, AW627773, BF912663, BE839213, AI358043, AW840300, BF856591, AI536813, BF939426, AW192039, AI685213, BF912667, AW838897, BF344794, W92281, AA283179, BF673568, AA563581, BE839253, AA568563, AL040503, BE063215, AI868006, AV704904, AI370569, BE243977, AA490684, AA477377, AI468524, AA714627, AW471279, AI678831, R49217, BF838940, BE244521, AI906145, BF343096, BE836117, AI469506, BE810532, AA595306, W92141, AW057582, BF511204, AW268697, AI539663, R31060, AA477772, AA596047, BF753087, AI742615, AI270525, T11643, AA973709, N93506, BE926227, AA527536, AW169984, AI815135, AI300224, AA443710, AI249321, AW103874, R70422, AW662932, BF913493, AI075341, H27076, AI538134, AW838918, AA477882, BF912716, BE844036, BE770137, AV750559, BE844009, AL047801, AW368290, N69960, AA614578, W21318, AA975702, BF770664, AW631089, BE772925, BF917313, AL047631, U53094, R46353, BF871119, BE243637, AW608388, AW519176, BE770131, AI648417, U53081, BE772931, C00811, BF749312, AA528240, R69441, AW351478, T04974, R46444, BE843765, AA295483, M85547, BE709154, AA443526, AW608283, BF841670, AW838934, AA602219, AA077339, BF092146, BF738433, AA077291, BF912721, BF092200, AW838892, BE938581, AA853204, AA077832, BE815760, BE720190, BE844003, AI914522, AA327286, AI872571, R85073, AW662967, AI926219, AA993064, AW839839, AW748245, BF943528, AW800423, BF850312, AW175924, AI798599, BE772434, AW878667, BE927001, BE938331, BF841498, BE843958, BE938306, BE157335, BE843775, AW385891, R35420, AW361539, AW839348, BF851191, AW385903, BF087246, BE836089, AF053944, D86479, AF053943, E07353, AF043942, X80478, AC006454, and AA976886.</p>
HOVBX78	491	101368 7	1 - 747	15 - 761	<p>AU128231, BE272526, AU130195, BE164466, BE164464, BF085254, AW813416, AK001556, AK001751, and AX017389.</p>
HVVAW74	492	101374 0	1 - 1076	15 - 1090	<p>BG256269, BF530210, AL533365, BG254956, AI937808, BG255962, AA894922, BF570250, BF527816, AI826416, BF570040, BF345133, AI004246, BF761093, BG110667, AW026128, BE348730, BG107551, AA890692, BF982691, AI658655, AI802988, AI186105, AW516805,</p>

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					U35846, AF314091, AR087170, AL137550, AK026542, AF119860, AX046842, AL117435, U00763, AF177336, AK026927, AK000652, AK026480, AF116610, AL137560, AL117457, AL442072, AL133606, AK000432, AK025092, AL110225, AL133560, AF116691, Y11587, AK026597, AJ000937, AL359596, AK027146, AK000391, AK026855, AL049300, AK025906, AL133640, M30514, AK025349, AL110221, AL080074, AL049464, Y10655, AF091084, X72889, AL137557, AL049452, AK025084, AX040974, AF125948, AF208026, AF116639, AF285167, AL133016, AF130066, AF097996, AL162008, AF067728, AX042059, AK000647, AK025958, AF116654, AJ238278, AK026630, AF242189, L31396, U68387, AL080148, L31397, AF100931, AF119875, AF132205, A77033, A77035, AK000137, AL137271, E02349, AF111851, AL133098, AK027204, AK025798, AK025573, AB052200, AF262032, AL023657, AF116682, AL359620, AK026647, AL122121, X96540, AF061943, AK025967, AL353957, AK000083, AK027164, AL117460, AL359618, AL133077, AL133067, A90832, AL359583, AF119859, AB051158, AB007812, AF207829, AL117432, E02221, AF026816, AX019230, AX040958, X82434, Y16645, AL050024, AL122050, AF087943, AF113699, AF116644, AK026744, AK026629, X84990, AL133557, AF116646, AL133075, AL050116, AF177401, AK026600, I00734, AL137521, AF106862, I68732, AL122123, U49908, AF230496, AR011880, AL162002, AB033881, AR083266, AF119871, U58996, E00617, E00717, E00778, AF113013, AL117394, AK026593, A12297, AB049848, AF078844, AR020905, AF116676, AF113677, AL049466, AK024992, AF118094, I09360, A65340, AF218031, AL137478, AK026959, AF079763, AK027213, AL359601, AX020124, E07108, AR079032, AF111847, AL442082, AF242525, AF175983, N68062, N74347, W05192, AA160251, AA228378, AA484334, AA542808, F15793, F16254, F17065, F17224, AA876988, AA931571, AA937654, AA937858, AA988562, AA991726, F18068, F18705, AA630345, F00995, AI337621, AI458575, AI586949, AI826925, AI872898, and AI932406.
HSPSF84	493	101385 3	1 - 633	15 - 647	AW081202, BF727086, BE561354, BE295468, BE267749, BE792824, BE513336, AV703327, AI814545, BE560144, AA701033, AI160850, BF726553, AW029525, BF106390, AI927392, AV688621, AA770666, BE695389, BE712504, BE695407, BE695426, BE695391, BE695427, BE695403, BE695420, BE712773, BE695378, BE695373, BE712334, BE712285, BE695419, BE712544, BE712220, BE695436, BE695425, BE712770, BE695432, BE695404, BE712628, BE712622, BE695409, BE695417, BE712724, BE695416, BE695415, BE695398, BE712549, BE695418, BE712547, BE712553, BE712555, BE695401, BE695422, BE712211, BE712548, BE712279, BE712502, BE695424, BE695429, BE712670, BE712324, BE712319, BE695423, BE712231, BE695402, BE695431, BE695395, BE712213, BE695364, BE695408, AA575902, BE712232, BE695428, AI742386, BE712391, BE695413, BE695375, BE712212, BE712222, BE712510, BE711558, BE712624, BE712507, AI524073, AI401286, BE712787, BE712430, BE695382, BE712160, BE711535, AI704087, BE712326, BE712414, BE712392, BE712449, BE695374, BE712322, BE711646, BE712100, BE712505, BE712421, BE712506, BE695360,

HPAMV95	494	101400 3	1 - 1393	15 - 1407	<p>BE695405, BE695377, BE712771, BE711502, BE695384, BE711670, BE828330, BE712102, BE695345, BE712668, BE695346, BE711587, BE712171, BE711842, BE711652, BE695358, BE711560, BE712331, BE695350, BE695421, BE712008, BE711604, BE712454, BE695400, BE695344, BE695351, BE712045, AA317838, AA687513, BE712170, BE695383, BE711508, BE695355, BE711760, BE712458, AA767170, BE712166, BE712108, BE712104, BF837811, AI889934, BE712047, BE712103, AI459535, BE712050, BE695368, BE712162, BE695365, BE711614, BE695433, BE695376, AA576980, BE712014, BE828321, BE695412, BE712498, BE711500, AA384751, BE695379, BE712587, BE695414, BF112286, AA687454, BE695362, AI367957, AA976480, BE712223, BE712101, BE711657, BE695348, BE695381, BE695434, BE695359, BE712221, BE711603, AW079821, BE711986, BE712281, BE712456, BE695361, BE711532, BE695430, BE695393, BE828313, BE695410, BE695352, AW510617, AW962270, T71962, BE856500, AI460272, AI309112, AA907009, BE712474, AA507928, T72102, AI886582, T71693, AA411532, AW591351, AI739011, AA626769, BE828312, BE695392, BE828315, BE712003, AA352952, AW370204, BF726661, AA359412, T81771, AA662912, BE327944, AW071632, BE695356, BE940444, BE711542, AA522896, BE712287, BE695380, D60602, BE562400, BE561772, BE562032, AB017568, and AF111713.</p> <p>AU140401, AI738421, BG031482, AI280092, AA400097, BF850021, AW083889, AW592654, AI742697, AI016064, BE903250, BE902947, BG104467, BE892580, BE302880, BF027402, BF726476, BF081511, W49684, BE409089, AI125462, BG032552, AA862329, AA486280, AA700818, BF820549, AI122804, W49694, AA400168, R11861, W49722, AW151672, AL045993, T53335, BF847816, AA962206, T48826, AW631078, BF884099, AA627637, BF737680, AW838008, BF357901, BF883577, W49721, BF988013, BE930738, BE930747, AW888969, AL046421, BE929077, T73984, AW498792, R68647, BF996158, F12365, BF850158, BG008754, R68697, BF037441, M85579, AI073794, AL533644, F07268, T29410, T54278, R24085, R26961, M85403, R22150, T48827, C01506, F27655, BF990588, AW361499, AA364950, AA853311, AA853874, AW380283, AA369501, BG004874, T53334, AW276429, R22149, BF986774, T54386, AA702765, BE762911, BF104742, AI611200, AA323024, F37322, BE747589, BF932773, C18912, AW996016, BF765531, AW998862, T50035, BF350192, H29127, BF668920, BF928730, AW998744, AA505775, AA298422, AW946325, AW946276, BG005177, T50090, AA542979, AI826634, AA112696, BF839409, AW373948, AI370444, N31154, N29691, N29692, BF823044, N50793, AI047256, AI640179, BG030359, M32304, J05593, AF127803, M82858, X62622, U44385, U14526, M32303, S72594, S82718, E12461, L31884, AF112115, M93954, X54533, X75924, AF144764, AF188489, AF156030, AF069713, AJ010315, AF095638, S68860, U44384, U44383, U44382, U44381, and AW270911.</p>
HOVBX22	495	101404 1	1 - 314	15 - 328	<p>AA714453, BF843214, BG222269, AV760543, AA767963, AI241705, AI439360, AA548087, AA737154, BG000467, BF841448, AC004815, AL121653, AC005482, AL138733, AL133246,</p>

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HPDRB63	496	101420 4	1 - 1394	15 - 1408	BG261404, AI655109, AI769371, AI673814, AI867165, AW271689, AW973626, AA488104, BF475415, AA492547, AA554212, BE905098, BF377593, BE790712, AI962754, AI703142, BE787290, AC003006, AK000077, AC010326, AC004017, AK026941, U38904, AC003682, and AB040941.
HNHGJ66	497	101425 2	1 - 2544	15 - 2558	N21235, AI371094, N27514, R73267, H42963, H42894, AW051024, AV715898, AV713456, AV733767, AV713329, AV712260, AV713333, AV725577, AV711811, AV763230, AV728404, AV763985, AV759285, AV651897, AV725441, AV725031, AV761360, AV725618, AV708786, AV725582, AV709580, AV653353, AV745940, AV762836, AV733915, AV725255, AV725321, AV726194, AV703632, AV716216, AV704144, AV708872, AV706223, AV729424, AV759241, AV652528, AV652001, AV726590, AV699269, AV727618, AV708520, AV759375, AV682278, AV728743, AV704626, AV726337, AV757269, AV764428, AV764028, AV743111, AV756617, AV704401, AV727822, AW955629, AV735331, AV756644, AV756815, AV708815, AV702671, AV707589, AV729473, AV661286, AV662242, AV660096, AV699250, AV725596, AV703168, AV661369, AV740765, AV660258, AV755566, AV728715, AV706560, AV705189, AV760852, AV699153, AV709356, AV687342, AV702787, AV705525, AV60516, AV763278, AV662268, AV702164, AV703273, AV655067, AV704590, AV746276, AV756563, AV759919, AV738231, AV753667, AV726156, AV707794, AV699156, AV707420, AV646736, AV706076, AV702071, AV707401, AV704712, AV733258, AV705684, AV712018, AV726653, AV764322, AV755608, AV702581, AV725991, AV707948, AV697350, AV704954, AV705416, AV703417, AV706407, AV734118, AV705234, AV654035, AV704757, AV705263, AV726628, AV706891, AV727017, AV703542, AV699223, AV709880, AV702851, AV707658, AV706882, AV703505, AV691615, AV727238, AV682997, AV715373, AV727126, AV729555, AV706162, AV708320, AV709596, AV701880, AV686417, AV701728, AV699199, AV645768, AV755330, AV715866, AV694871, AV729129, AV727459, AV726830, AV655901, AV703090, AV729366, AV728546, AV727337, AV702854, AV706734,

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HDPPN96	498	101443 2	1 - 2722	15 - 2736	<p>AX003206, AR093384, I66482, I60241, I66485, I60242, I66483, I66484, AX004550, AX036660, AX036661, I66498, I66497, I66496, AR027099, I66486, AX023553, AX003194, AX023548, AR072540, AR008429, AR009151, Y09813, AR093383, AR051652, AR051651, AJ230935, AB043473, AX027636, X07299, E12584, AJ230902, and AA774938.</p> <p>AL525604, AL525558, AL521077, AL534190, AL527154, AI185636, AI829575, AI819363, AI479350, BG253409, BG032383, AA573959, BE049344, AI300579, BF058420, AW518075, AV716817, BF337764, BE675511, BE888674, AI983473, AA921746, AW360791, AW271353, AI860888, BE465498, BG030589, AI421961, AA642888, AV716825, AW360790, BF978677, AW519021, AI095593, BF679532, AI680068, AA574099, AW805000, AI076771, BE737699, BE881977, AA169187, AI524207, AA490996, AW008875, AI831282, AW951568, AW798513, BG256677, AA682617, AV715851, AA558194, AI434226, BF127503, BF692032, AW152268, AI431953, AI082278, AI340938, BE826953, AI092486, BE826955, AA031727, BF132325, AA905898, BE826941, AI338719, N33545, AA485213, AW889898, AL527174, BG165994, AI340935, AI239765, AW172625, AA588812, BE857411, AW178332, W94276, AI799016, BF688081, AI640740, AA128052, AI754987, N29050, AI830394, N41523, BG029968, AW385964, AI128078, AI819575, W81306, AI273538, AI633672, AI373877, AW408127, W81305, N31546, BE720781, AI129664, AW362077, BE840852, N26149, AA715151, AA643990, AI265994, AA115983, N67165, AA491191, AI583113, W24362, W94278, AA85017, BE827032, AA837151, BF907676, AI205980, AI524775, AA311550, AW804650, AI081801, AV764359, AI446215, AI270774, AI750276, AA768403, BF665222, AA382682, BG012355, AA806723, BG236369, AW946064, BF908814, BF378621, AA115982, AA856759, AI381226, AI676098, AW665881, AI566454, AV760834, BG235898, AI468285, AW613194, AA160813, AI277691, BE774488, AA455666, AA385997, AW946068, BE826861, AW391497, BE826868, AA280276, AW139342, BE843017, AA356204, AA355830, D20792, AW365748, AW946013, AI306708, AW402506, AW149289, AA742652, AW803435, BE047704, AI446429, T29910, AW578719, AV737596, BF826934, AA216228, AW801462, AV762185, AI206695, BE005091, BE246775, AA484937, AW380441, AA320856, AI750277, AW582327, BE720769, AI273821, BF977172, N21529, AA169315, AI827431, AI863462, AW365793, AI888019, AA126928, AA031618, N93641, AI962272, AW795951, AI472352, AA301277, BF966683, AA471173, AW629621, AA743414, AA287732, AW967770, BE826948, AA593188, AI654153, AI870683, AI690882, AA806556, AA100165, AA312519, AW795950, H37925, BF966493, AA160842, AA252606, BF360305, AI472713, AA167103, AI444959, BF002703, R57396, M63838, AF208043, AP002534, AB045363, AC006944, AF086545, AC005992, AB045364, S75421, S75429, S75415, AB045362, S75417, S75419, S75433, S75431, S75423, S75424, AF106657, A77033, A77035, AF026816, AL133557, I89947, AK025435, AL117587, X99971, AL023657, AB050410, AF119908, AK026894, A65340, AF116631, AL080234, U95114, A86558, AJ299431, AL162004, AB048881, U70981,</p>
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HPCTH41	499	101448 5	1 - 1580	15 - 1594	<p>AL534018, AI608955, AL533867, AL533937, BF195713, BE889941, BF968646, BG035915, BG163383, BE896629, BG030771, BE275159, BE548015, BF031407, AL038452, AV723354, BE890109, BE897450, BE876999, BG257446, BG117242, BE348344, BF965349, BG036194, AL038834, AV695669, AL038833, AW675828, AA775843, BF698072, AA133307, AV691956, BE794982, BG259283, BE883914, BF437152, BE267654, AL533936, AA527167, AA993699, AW511438, BG180250, BE549797, AW273070, BE884294, AA496105, AI090212, BE541569, AI203995, AI028519, AA534614, BE889533, BG059794, BG025375, BF106258, AA243516, BE269547, AW516807, AI677969, BE898115, BE967645, AW069489, BG249079, AA987229, AW300257, BG256131, AI094922, AI394263, AW474045, BF195539, AW074075, AL802136, AW104727, BF938958, AI860219, AI149730, AA704746, D51000, AW195032, AL533001, BE888200, AW008034, AI917003, AA496106, AL038451, AA214222, AI356769, AA136981, AI696834, AI446650, AA020916, BE350251, AA662977, BE645707, N99138, BF247377, AA776483, AW239553, AV708007, AW591897, AA643169, AW673505.</p>

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HVASI06	506	101502	1 - 2920	15 - 2934	AU134143, BE870387, BF001941, BE710214, BG260588, AW963406, AI961474, AW382909,

	4				<p>AI923923, AI990751, AI813884, AA843844, BE219683, AI301132, AI963119, AI935247, AI690278, BF034743, AI740608, AU155243, AV698922, AW361050, AI264633, AW861027, AV694407, AW571756, BF036889, AW196974, AW274440, AW237561, AW263591, AI566325, BF477676, AI890112, AI985954, BE897725, AI587310, AI986332, AI968319, AI972620, AI675856, AI033049, AI54274, AI922853, AI738691, AV687198, AI342974, AW662263, AW963780, AI024422, BE645280, AA947925, AI138813, AI867016, N25349, AW029458, AW276074, AW026634, BE567485, AA505889, AW007315, AA862214, AA906022, AI797947, AA484620, AW365086, BF879746, AW963781, AI888735, BF588737, AI356599, BF149394, N31464, BF334228, AI688404, AA307247, BF438285, AW382877, AA491776, AA583862, AI000815, AA372018, AI289801, AW070462, AA577288, BE091511, AA723582, BF832097, H95976, BF062521, BF738014, BE711625, AA232327, BE000165, AA548574, AA594055, AA330741, BE074780, AI686185, AW856098, AV685864, AW014082, H98886, R34321, BE645893, AA301143, BE465958, AI206620, AW363149, AI524791, AI868801, AW273907, BF832849, AI468354, AI689913, AI799367, AV690524, R34204, BE694170, AA573469, AA948211, AI673243, T24686, AW392026, AW391990, BE708454, AW373130, AA773534, H95975, BE081095, BE933477, R35237, AI806231, BF816619, AI367468, BE541503, BE718010, BF059308, AK001805, and AK000178.</p> <p>AIU143256, BF155736, AV715833, AI826460, AI814455, AI884890, AA769310, BE934114, AW966220, BF790844, AU152276, BF033751, BF576977, AU153650, AW166211, AI864665, BF081591, AU160375, AI084922, AW292992, AA779447, AA829630, AA025234, AI823888, AW418525, AI452519, AI360060, AI684798, AI655985, BE961037, AA026021, BF433538, AA026295, AA766554, AW770982, BF208277, AI276257, AA394033, N64369, AA825817, AA393837, AA435643, BF361706, AA639510, BF217285, BF672893, D60974, AA286843, AI689818, AA251918, AA807639, AA435651, AI246329, AA251762, AW772604, D25894, BG009135, BF736545, AA286844, BE967276, R22470, AA665974, AI570715, BE180751, AI702262, AA026294, BE935513, AW631147, BE812849, AI685029, H26865, R22420, AI565266, BF827750, AA090746, AA337356, T24552, N41739, BE170545, AW890651, AA169886, AW795854, BE935255, BG012432, AV692600, AV697880, AK023226, AY007102, and AK023074.</p>
HDPXP07	507	101505 9	1 - 2230	15 - 2244	
HE2KH02	508	101509 3	1 - 3564	15 - 3578	<p>AL527105, AU132761, AU116991, AU137245, AV728472, AU137316, AU137381, AU139297, BG261206, AU136360, AU139962, BE549369, AA081939, AI677834, AU157422, AU135906, AI920927, BE785633, AA454989, AI907113, AW664875, BF591622, BE042932, AU154230, AA454990, AI378574, AI936349, AU138016, BF447224, BF337029, AI431805, AW360838, N95598, BF107069, BF084965, AI911175, BF110906, AI221497, AI379409, BE501519, AI424080, Z98481, BF084957, AA236458, AA905045, BF575997, AA553994, AU157090, BE894931, BE891457, AI032765, AI417372, AU156358, AU157150, AA236564, BE568360, AI697933, AI818384, Z98482, AI921677, BF888050, AA445961, AI082210.</p>

					W95230, AU158241, AI091076, AA506175, AA430015, AI421265, AI298191, AA234597, AA446607, AU157621, AI184628, AW150103, AI968555, AI160253, BF763895, BE787845, AI922575, AA127941, AI698713, AW631464, AA082709, BF996242, AU156254, AA349343, AI082630, AI432406, AI359038, BF107137, AA679150, AW665609, H75696, AI290754, AA974762, AI081905, N54280, AI167548, W92605, BE867569, AW953100, BF754315, AA234077, AI796414, Z43674, AA349342, BE763226, AU156673, AA326858, AI264875, AA985275, AI338482, H09246, R10251, H89051, AA322020, F07511, R35580, Z39729, BE938777, H88968, AI834229, AA329190, AW205463, AA300737, H90664, Z42072, AA127975, AW900790, BE087669, W28679, AW845211, F01609, R97673, AA357051, T32922, R25767, BE551259, BE046333, T98859, AA446736, F03743, AA322004, F05351, AW190294, AW360832, T99455, AW809871, BE842258, AW809929, AW809987, AW810059, AA005304, AW809988, AW809966, AW609106, AA969489, BE842157, BE842133, BE842285, BE842284, AW809978, AW809872, BE842172, T27300, AL137756, AB023169, AL035448, and AK024349.
HSPSI60	509	101513 3	1 - 2217	15 - 2231	AA631938, AW271824, AI793342, AI582327, AI284346, AA694067, AA285037, AI040042, AI683785, AW504437, AA282330, H11593, AI800992, AI139177, AI090037, AI804488, AI040087, H11679, AI279357, AI264909, AA282229, AI381465, AI199387, AA908723, F09528, F11880, AI240419, AI784560, AW865862, AA501653, AI243707, AI868576, AW576309, F11200, F08866, AA282817, AA278915, AI537020, AI801505, BE138594, AW591276, AW505253, BF769368, AV699840, BE968744, AW069227, AW026305, BE077105, AI421950, AW327649, AI419337, AV738383, AA857812, AW023111, AI310670, AV700192, AW338035, AI797998, AW338021, AI890324, AV718506, AW438542, AI361090, AW084445, BE244178, AV763026, AV763058, AA515728, AI335387, AA282951, AW514662, AV730986, AI538852, AI187148, AW327624, AV756491, AA873573, AA916430, H73561, AI310787, BF839844, BF528591, AA173166, BG029528, AV695953, AA410788, AA719073, BG036370, AI369580, AI821420, AU159329, AA501461, AI114534, AW328202, BF530611, BE893315, AA568204, AA570740, AA483606, AA526542, AI347603, AW500127, AW086656, AA614139, AW978041, AI090377, AA226584, AV755512, AI279417, AW973992, AA664604, AI267356, AI349130, AW467536, AW969743, BF763954, AI889579, AU159185, AI634187, AI267450, AA807704, AA773463, AA634837, AW068596, BE084668, AI491765, AI871691, AI380617, AC004644, AC004494, AC008403, AC004815, AC005399, AC004216, AC007597, AI031311, AI121890, AF111168, AK001397, AC012309, AC008407, AI034417, AC025447, AP001727, AC005696, AI109843, AC004181, AI137073, AC023344, AC005666, AL035659, AL035662, AC005200, AL079303, AI356299, Y14768, AC020908, AL035413, AL022163, AC008745, AC005095, AL049839, AI034429, AI096791, AL031300, AC005300, AL132653, AC010163, AL096702, AP001747, AC006388, AB000876, AC006487, AL355530, AF088219, AC005921, AC006023, AP000302, AF111167, AC010422, AL118520,

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HOCOC26	510	101514 3	1 - 1279	15 - 1293	<p>BF966811, AL139894, BG118263, BF195527, BF304431, BE313788, BE890485, BE894627, BE314751, BF966263, BF432361, BE735161, AA883980, BF663221, BG106026, AW961104, BG106361, N36835, BF593985, BE778904, BF594016, AL523105, BE314195, W57556, BE384447, AW516745, AA651722, BE464689, BE206345, BE385654, BE903910, BE314758, AA233222, AA081411, AA576915, N43012, AI027450, AA813248, AA434399, AI685850, AI336025, AA434496, AI161302, AI085313, AA632104, AI084094, N30353, W04936, N57768, AI200803, AI333484, N55453, AA422072, BE019744, AA826596, AI084015, AI341871, W80670, AA233146, AI378563, N33349, N62846, AI339805, N34024, AW272713, AI242276, AA554001, AI459956, AI200074, AA635564, AA927412, AA814024, AA632073, AA628055, AA482362, W80669, AA251750, N46055, AA081410, N47028, AA719788, BF436220, N48163, Z45692, N63935, AI032947, Z41359, AI364376, T32008, R08771, AA922239, AI149973, W46253, AI222458, AI674237, BF364286, AA829780, N59733,</p>

HHEDC05	511	101520 4	1 - 1091	15 - 1105	N77753, AW768948, T91056, AA838257, A1056152, N76825, AA375116, N53309, A1632878, AW369966, W88648, AA722692, AW753144, AW166070, A1216252, R08770, AA343770, AW062297, N70614, AW874454, A1749296, N46938, BE842815, AW166050, W88892, R10337, N98262, H63292, AA887202, AA485043, AA918183, BF213866, D58354, T85922, AA902514, and AL122003. BF798056, BE898210, BG168649, BE778156, and BG114611.
HODES86	512	101530 4	1 - 1226	15 - 1240	AA063018, AA063458, BE780703, A1444822, AW517939, R02632, AA838190, A1580250, BE043307, AA776646, AC005899, AC007956, AL162615, AC005666, U95742, AC007216, AL138836, AC021876, U07563, AL034377, AC007308, AL021397, AL133448, AC007226, U91323, AC022073, AC006958, AC005529, AC011452, AL121929, AC010422, AP000033, AP000269, AL333807, AC003029, AL357752, AL450226, AP000103, AL133246, AL137039, AC003043, AC004644, AC004655, AC005399, AL050307, AB023049, AC002455, AC005500, U68030, AL031295, U95739, AC005324, AL450224, AC005015, AP001670, AL121675, AC004812, AC010150, AC006312, AC005594, AC004000, AC003070, AL032821, AC006254, AC004021, AC012558, AC008753, AC002470, AC002565, AL118506, AL354864, AL049840, AC008264, AC011495, and AA069510.
HOPJU57	513	101532 4	1 - 1631	15 - 1645	A1801386, A1130729, A1951354, A1346419, AA974428, A1143115, AW162717, A1300949, A1148649, BF569612, AW054866, BF570440, A1206813, A1185787, BE615293, BE410344, A1951681, BF569961, BF685656, A1951257, A1189212, A1203857, A1884988, BE735464, A1268318, N30165, AA724367, A1340361, AW161821, BE388759, AA176575, BE294378, AW083817, A1332853, A1962867, AW148547, AA846546, AW516896, BG036497, BF685742, AW664467, A1097222, AW263822, BE733969, A1193863, AW085571, AW029466, BE877593, AA903789, AV721231, BF058882, A1200195, BE736206, AA719226, A1186165, A1185135, BF569699, A1180753, BF337640, AA721964, A1921807, AA595181, AA718926, A1140283, A1476531, AA719628, BF671968, A1093516, A1130702, AW874672, BE540302, BE314325, AA744704, AA836082, AA708878, A1612744, A1093408, A1139691, BF125815, BE901001, A1127942, AW157808, BE512823, AA639777, A1141125, W84441, A1074425, A1126845, A1148609, AA993729, A1027734, A1283187, A1148639, AW514401, AW960583, AW151167, A1088686, AA740789, AW613465, AA411261, AA707918, BF341253, BF337384, BE794317, W74453, BF342200, AA503552, AA225290, AA663414, A1985822, AA521379, BF968286, AA479563, AA778259, BF791194, A1879480, A1088256, AA757493, BF675006, A1041962, A1161406, W80350, BF973456, AA411186, F30500, A1143021, AA758705, A1970716, A1190498, A1355378, A1459406, AA062856, N20564, W52133, A1139997, W78166, W45702, BE934387, W60579, A1192165, A1176922, AV748277, BF673324, AA846717, AA651723, AA708138, H18117, W19268, BE796730, AA628056, A1888013, A1074834, AA577396, A1360683, AA393221, H20010, AA180945, AA632093, N35390,

HVCAC71	514	101534 3	1 - 2211	15 - 2225	<p>AC007193, AL023553, AC023510, AC006064, AC025588, AF038458, AC006483, AL133245, AC004898, AC006536, AC015550, AP000509, AL161445, AC010289, AC005317, AC004408, AP001712, AC004230, AC005280, AC009470, U95742, AC005886, AC011475, AC005822, AC005236, U62317, U91322, U07562, AL008716, AL021154, AL132981, AL136137, AC011442, AC007021, AC006028, T90441, T81590, R65745, H19475, H21633, H21818, H22367, H40107, H43522, H45044, H46540, H49921, H49943, H50452, H56927, H61260, H81390, H83875, H91856, N30638, N74188, N79063, W60580, AA029396, AA031684, AA062616, AA062757, AA062796, AA062850, AA282833, AA455251, AA522723, F16347, F17199, AA617907, AA627498, AA720900, AA834379, AA876248, AA878851, AA939264, AA946997, F19097, N84953, N87315, N88591, C02748, F20183, AA401396, AA399954, F20957, F21469, F21730, F22535, AA719756, AA757531, AA913761, A1041423, A1087398, AA550895, A1246789, A1309239, A1142938, A1191027, A1203729, A1206692, A1207941, A1537425, A1272278, A1690113, A1826780, A1863955, A1869092, A1935849, A1971086, A1986350, AW081415, AW084197, AW152139, and AW316659.</p> <p>AL531715, AL524911, AL538331, AL513967, AL513968, AL521532, AL535009, AL522609, AU131245, BG033342, BE732861, AU123775, AU123828, BE512639, BE271204, BE270981, A1929349, BE901163, BE791770, BG031293, AV759759, BE019767, AU132291, BG034493, BF982477, BE299703, BE906310, BE788844, BE536530, BF980442, AU129887, BG026557, BE281025, BG257133, AW966738, BE787567, BF038336, BF967326, BE312843, BE559997, BG250373, BE278410, AU123662, AV685929, BF701310, AW163400, AA885286, BE731743, BE278525, BE538100, BE560136, BE777712, BE260324, BE882710, AU135115, AW440395, A1290358, BE869232, AU127084, BG035037, AW835061, BG171590, A1806103, BE783330, BF216041, BF028268, AL048517, BG168585, BE869959, BF211634, BF309468, A1572966, BF217684, BE569115, BF130434, BF725661, BF976905, AA306785, AA652324, AA743442, BF571852, A1689767, BE777927, A1003312, BF131121, AL521531, AL522608, A1040166, A1744792, AL538330, BF977349, BG258031, A1493354, A1431952, AL157595, BE974206, BE466004, A1139721, A1188584, AA503712, AA450240, AA861312, BE549795, A1139594, N90748, AA436633, A165115, AL535008, A181105, BE855625, AA948158, AW294485, BE536025, BE267993, BF211208, W07594, W70169, AW419332, BE245183, A1360697, AA419100, A1831987, BE773290, AV650249, AV650684, AA961990, N66078, AV650578, AV650246, AA234056, AV650773, AV650519, AA317420, H43456, BF934864, H79111, AA732606, BE241621, AA210764, BF447411, R59256, AA494115, AA376989, AV657836, AV650338, T85952, T29861, AA251969, AA079805, A1628072, N90844, W94361, AA129527, AA026911, AA232668, A1695838, AA337805, A1126527, W70111, AW950187, A1474226, D54979, AA581060, AA453859, F02411, D52775, F06140, AW591856, BF248214, T84801, AA356231, F08428, D54566, AA627894, A1918502, AA131257, A1744927, D53885, AA079631, A1469209, A1589005, A1874218, A1359248, BE464374, AA095541, AA828719,</p>
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HSXCO55	515	101536 0	1 - 2745	15 - 2759	AW293706, N85153, BE349156, AA662001, AA211886, BE701834, AA026910, F04653, AA346596, AW130548, AW513847, AI381356, AA136081, AA404369, AW241142, W94470, AI687543, AU151954, BE839215, N26560, AW139523, F03997, BF446921, AI936366, AA057689, AA918953, AW129785, N30568, AA314004, AA916062, AW157342, BE048407, AW971417, AA580027, BE048673, AA506336, U46910, BE855537, AI761970, AA229375, W94354, D57413, AI365276, M30471, M29872, Y15406, M84147, U48971, AP002028, M81118, AP002026, M81116, M81114, M81117, U48966, U48970, M81113, M81115, M81112, U10902, U48967, H59480, N35676, and AA471239.
HLWDB78	516	101543 0	1 - 673	15 - 687	AL527889, AL527888, BF343138, AL525819, BE781680, BG115556, BE732112, AL530486, AU122091, BE884555, AW249027, BE887877, AA702154, BE791388, AA393120, AA195059, AW187982, AA195007, BE787037, BF887726, AA070569, BF881875, BF763234, AW379952, W27989, AA463417, AA463415, D58463, R43806, BE729116, AW379954, R13030, AW000977, BF026502, AW062942, AI334193, BF026989, T66403, AA345992, BE728080, Z44042, BF929103, AA463416, AW848503, AL119081, BF995780, AI886057, BF508517, R97564, BF096090, AA011352, W01495, H52292, AW175839, F34844, AW611799, AV749885, AI872514, AI022690, AA703171, T88769, AA613181, AW976173, W67739, AA412730, T75524, BF090941, BF725485, T33712, AW957599, AW954617, BF096089, AW294156, AI902810, AI902811, AI902809, R83640, F06662, BE832422, R19646, T75487, BF763254, AI703131, BE551051, AV720683, AK022332, and AL021918.
HPCQU04	517	101556 3	1 - 2931	15 - 2945	BF796831, BF210218, BF701279, AA287742, BF541219, BF666412, AU128625, AU126697, BE545375, AA641789, T79066, R09452, BF351826, AI765200, AW998878, AW001630, R24433, AA278916, BF091528, AK001322, and AK022939. BE900483, BE900430, BE793781, BE798566, AI188793, BF792027, BG259644, AW968896, AW005670, BE727050, AU132150, BE903813, AV717509, BE794911, BF440058, BE397846, BG112908, BF312588, BF337644, BG169372, AU117650, BE885591, AU136686, BF344095, AI948456, AW007242, AW974579, AW512338, BE899401, BG258649, BF971664, BF204385, AI824036, BF029478, AW733016, BE616290, AW512086, BG166646, BF305249, BE292944, BF337814, BF205251, AI680132, AW467417, BE275029, BF666066, BE265405, AI201616, BG113759, AI858016, BF666327, BE278101, AI862344, AI768091, AI870673, BF444957, BG180941, BF665980, BF693760, BF438522, AA411615, AW574525, BE748032, BF206162, BG056483, AV756764, BF667931, AA613845, BE927946, BF305222, BF037517, AI174529, AI880678, AI017414, AI688226, AI419240, AW072354, BF220122, BF306174, AW245803, BE894643, AA505693, BF686381, AI349534, BE327569, BE280363, AI629015, AI097281, BF312243, AA046475, BE280085, AI096462, AA205538, AA830698, BG256671, BE617374, AA577517, AA827418, BG110031, AA988140, AI806869, AW401445, AW069828, BF856214, BF849224, AI002518, BF204740, BF309846, BE889784, BE262854, BF968028, AI085160, BF306020, BE298752, AI306461, AI088751, BF683516, AA488767, BG256384,

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HDPAT52	518	101557 4	1 - 1374	15 - 1388	<p>AL046886, BE279307, BE019568, BE391135, AA664125, BG177319, BE384305, BE390284, AW501171, BE889171, BE273776, AW499614, AW500833, BF346622, BE410770, AI371317, AA676873, AI434698, AV703394, BF922390, AA807225, AA721751, AI536606, AA760945, BE163519, AW976065, AI913150, AW747905, BF994170, T90581, BF755836, BF904131, BF084780, BE389227, BG108346, BF828643, AA152296, BG009400, BE778885, D61199, AI378039, BE075569, BF308243, AF056191, AC007050, AC004033, U80745, AL031670, AC005500, AR009990, and AF223678.</p>
HAOSL81	519	101562 0	1 - 2007	15 - 2021	<p>AL521031, AL519782, AL537771, AL532982, BF508854, AL519743, AW957179, BF969852, BE795625, AL526699, BF340693, BE792891, BF238333, BG033672, BG029834, BG104854, BE883832, BE260201, AL521030, BE778826, BE313919, BF115935, BE260258, BE313721,</p>

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HMWIU46	520	101581 4	1 - 1569	15 - 1583	<p>AL535079, AL518148, AL521450, AL517132, AL531229, AL535080, AI040012, AL531230, AI762499, AL524071, BE741293, AL517133, BF027114, AL524070, AI279899, AI246620, BF026440, AI951458, BE746830, BF976082, BE874967, BF975129, BG120387, BE742636, AL518149, BF346931, BE798497, BF971335, BG028042, AL531911, AL536547, BE890981, BF309279, BE394154, BE299905, BE797408, BF237487, BF341190, BE899557, AL531910, AU123377, AI056329, BE886583, BF316766, AW071958, BF794107, BE378387, BF305550, BE304342, BE736150, BG035867, AL521390, BE871118, BE295405, BG252892, BE263295, BF026152, BE900137, BE313624, AL518057, BE866940, BF310604, BE727963, BE741384, BE263729, BG030172, BE269686, BE275888, BF683861, BE263357, BF685533, BE294784, BG036176, AI963529, BE796966, BE746010, BF306510, BE736227, BE891078, AW245424, BE410804, BF686254, AI760877, BG120454, AL521451, BE295095, BG256264, AW391889, BF304851, BE872207, BE879428, BF689615, BE858376, BF973214, AI097074, BG179080, AA449946, BF312801, AA576427, AL138372, BE304566, AW006324, AW009639,</p>

BE272194, BE646651, AW245783, BE746747, AI912504, BF882333, BE385840, BE858607, AI564790, AI333506, AW027052, AI418266, AA279457, BE737425, BG236473, AI004007, AA305850, AI624801, BE206673, AA847481, BE407894, N38749, AI361019, AI161165, AW027192, AI680456, BE385356, AI809665, AI911415, AW574789, AI566691, AI825931, AI826461, AW082825, AA894742, BG113516, BE245957, AW054799, AI094992, BE560644, AI075059, AA827533, AI590897, AW250514, AI493612, AW581599, AI039019, W51771, AW001956, AA905589, BE794331, AI339906, BE389853, AW410735, BF340416, AI362165, AI023116, AA405459, AI682692, AA574029, AW007567, AI421280, AW168727, AI291679, AI361542, N24764, AW268397, BE747096, BF909462, AI125187, BE541523, AA218938, AI564687, AW629319, AI423889, AA857676, AI309949, AW403634, BE047331, AW050857, AW965812, AI308957, AW002132, AI347676, BF432538, BE299524, AI343623, AW103714, BE278236, AI498129, AI858821, AI935947, AI273436, AI913835, AW188230, BF530322, AW390130, AW469492, AI660586, AI799338, AI480255, AI003559, BE731327, AA909993, BE872657, BE747945, AI279041, AA431687, BE312764, AL518058, AA826445, BG179147, AW960226, AA135401, AW368361, AW662816, AI984889, N31601, AI214115, W16430, AW188122, AA909995, BF690520, BF882690, BF972256, BE736482, BE779346, AA907423, AW190551, N29588, AI280247, AA393637, AW368346, AA450198, AA705606, AI932222, AI400777, R56411, AA713851, AI937426, AI138296, AW050794, AA550809, AI635786, BE314643, BE858640, AW368349, L38696, AF148457, AL031668, S72641, L17076, AL034549, AL050146, AF116644, X63574, AK026534, AC006994, U91329, AB048975, AL137292, E03348, AL049464, X62580, AK024538, U80742, AF116646, X84990, X80340, AF111112, X87582, AF119871, S79832, AK026551, AF130104, AK024601, AL080158, A08916, AF177401, AF022363, AI2297, AF081195, I48978, AK026608, AL137429, A08910, AF113690, AF130055, A08909, AF132676, AF061836, AK025383, AF217991, AL359620, AL110222, AL137521, AL122121, AL133606, S78214, AL389939, S68736, AF113689, AB052191, A45787, AF162270, I89947, AK024588, AF119909, AK025092, AL137538, AF130077, A08913, AX006092, AF130059, AL117435, AF261883, I89931, AK025391, AB050534, AK025084, Z82022, AF116602, AK026600, I00734, AL390167, AB007812, X83508, S61953, AF078844, AL133104, AR087170, M30514, AK025798, A07647, AK025708, E00617, E00717, E00778, AL050277, AR038854, AL162062, AK026086, AF218031, AK026597, AR013797, AI8777, L30117, AB050533, AF155221, AF116649, AF113691, AL137547, AL137705, AR083266, AL110221, I66342, X81464, AF271350, AB019565, AL162002, AK000652, AB033881, AL122050, AF087943, AF130100, AF111851, AK026885, AF113013, AK025484, AF081197, I09360, AK000432, AK025958, AB048974, AF111849, AF130075, AL133568, AL137300, AB049892, A93016, AL137526, AF067728, AX042059, E05822, U00763, AL049382, AK026045, AL078630, AF177336, AL122111, AK026592, AK026784, AL122098, AL359618, AX020124, AL080127, AB044547, AF130099,					
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HNTSV21	529	101737 4	1 - 1245	15 - 1259	<p>BE774603, BE774559, AA476696, H78591, H78598, AI289784, AI204471, AI890785, H47953, AI476652, N55740, BE929223, H94208, H51673, BF002425, BF001766, AW664981, H59116, BE767644, R95824, H52403, H95352, H51087, W58637, AV732880, AI380954, H52404, H73365, AW965013, AI354716, AA778391, BE774546, H82994, AI091937, H59156, AA024485, H78644, AW104164, AI910247, AA026543, AA431659, H78652, AA852100, AW085288, H81029, H47648, W67704, H79282, AI684769, F08312, H81125, AW795270, T79999, AA377528, AW517620, H95361, AI637481, AW592319, AI758610, BF361424, AI553912, W57640, H58543, R95775, H79393, F08369, AA906911, AW473773, W93622, R93126, H60950, AI122648, T32422, AI798217, AA026542, H82708, Z41373, F04538, H61524, AI916229, AI337476, W67227, W26761, W60303, AI000783, W93419, AA039664, W73839, W92061, BF847196, M79164, AW362780, BE311476, AI940153, H82444, AA866157, AI690810, AW969244, H17488, AW628857, H83227, BG167595, AI799198, BE932785, BE011848, AA934349, T16936, BE931881, AI798409, W67337, AI290522, W58636, AF054999, AL050384, AF027299, AL109938, AF044312, AB047635, AJ251209, AI245853, AJ245854, N77095, AA025329, and AI347426.</p> <p>AL134400, AA654357, AI659394, AI686014, AW410038, AI093582, AA652206, AW273447, AU146982, AL514659, AI963016, AI042174, AW965846, AW574750, AA654359, AA703770, AL517118, BE542873, AA182023, AI818522, AW072960, AA884895, AI077955, AA209362, AL515439, AW887824, BE539538, AU154982, N52207, AW157715, AA187876, BF000792, AU160449, AI915409, AA854654, AA934909, AA887240, AU159619, T57068, BE299580, AL518518, BF035823, AU158972, AU147868, AA464944, AA651945, AA148257, AA828521, AA190869, AA600031, AI088602, AU146486, AI245918, AA515504, W68695, AI003584, BF848727, BE299486, AU151912, AA932098, W68788, AA810464, AA831254, AA204836, AI073864, BF062816, AA630734, W37334, W72396, AA877763, AI239507, T57701, BF368824, AW519295, N93945, H28712, AI933713, BE617824, AI139316, AI299318, AL538396, AA909936, BG261335, AA806474, BF154399, AA169168, AA622934, W37369, AA876537, H39737, AL516437, W37117, BF764209, AL517155, AA541371, W65445, BF803857, W65444, H64967, C75187, R42343, AI620320, AW013842, W02224, C17924, W37370, BF764242, AI567004, BG106798, AW182900, BE618766, H66514, T06029, C18528, BF447193, H26685, BE645007, AA148256, BF812783, BF059296, AA709429, BE877546, BF958849, M78962, AA669602, AW581222, BE882709, N94420, AA357908, W26586, BF913671, F18903, T85737, BE858416, N69743, AV750626, AV736810, C17428, AI701304, BE619606, AI675840, AA486988, R11416, W40444, BF032212, AA557475, D53287, BF378126, AA486987, D58716, AW572367, C18873, F29285, AW673620, AI151194, AW983548, BG057603, BF795208, C01858, BF957266, AI475992, D79148, AA565388, AI720256, AV752041, BE181609, AI299319, AW057940, C18872, BE700845, AI049861, BF941688, AA968944, AA844560, BG105512, AA010945, BE717982, BF958883, AW513179,</p>
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HJPCG39	532	101769 4	1 - 716	15 - 730	BF568812, AL526088, BF569186, BG027811, A1742518, W63632, AA846266, A1635798, BF435746, A1742228, A1452971, A1288946, AW189571, A1025026, AA446594, A1654457,

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HISEM03	533	101777 2	1 - 1116	15 - 1130	AW977256, AA731483, AI189344, AW952888, AA100023, AI201562, AI440476, BG033877, AV756699, AA398602, AI494350, AI554596, AA992085, AI040838, AV715013, AI039508, R51318, AA902973, AW151804, AA724114, AI374683, AI817518, AW149758, AI205965, AI401298, AA975376, AI092209, AI140030, AW007837, BE300974, AW006532, AA973989, BE675441, AA902770, BE300722, BF436809, AI079728, N47956, N90158, AI124081, AI937179, AW005467, AA634579, AA569815, AI203510, AI017703, AI126010, AU144290, AA699818, AU144103, AI032690, AA946587, AA864876, BE206320, AW974185, AW514586, AI279052, AA989074, AA528148, AA581246, W72356, AW194237, AI952698, AA058821, AA071443, AA100717, AI688097, AA661601, AA035522, AI479600, W92081, AA457398, AA149146, T24006, F35370, AI818096, AA070976, T33674, AA658814, AI609294, W32284, AA480290, AL520291, AA024720, F32898, AI271989, AI291249, AI610155, AA588326, AA173526, AA402359, BE891091, W77906, AI302586, AA173951, AA487030, W80854, AI582468, AA677763, AW473700, AW518705, BE221666, AA894616, BE327980, AW674213, F24351, AI453653, BE047223, AW518172, AW167498, AW172869, AW662626, AW675670, BE962279, AA587242, AW317046, AI682825, BE293392, AI453443, T51583, AW770345, AW947400, W37984, AI185379, AA069882, BF857472, AA582510, T56101, AI566359, AA458532, AV725219, AV704412, BE250396, AW947462, AI349572, AW873771, BE293871, AA393241, AA486776, BE835763, BF857461, D57910, AA679368, AA056532, T48195, AW276594, D57886, BE617740, BF690490, F21288, AI381337, T32393, R42019, AA412071, BE769751, T32392, AA586406, BF762750, AL522860, BE828449, AW517660, BE769747, BE769754, AA808159, T34167, BF220196, R42020, BG107653, N78807, W79360, F35581, F17279, BF129772, AA666210, AA010550, AA173641, AA037719, AW804109, BE962083, AW804071, AI940339, AW887744, AA506688, AL517546, AW887739, BG249485, BE407244, AW887740, W37983, AW947476, AW518401, AW804076, AW887737, AW804075, U90733, BF857464, AA627566, BE004744, AA056406,

HOFAA79	534	101780 1	1 - 872	15 - 886	<p>AW327876, T35270, AI889136, AA860198, T25096, AI468986, AI886290, AW590988, AL520292, AI188246, AA995878, AA083560, AI124910, AW167092, AW804068, AI740700, T32635, AW879412, T32361, AI204686, BF747950, BE004757, AA936789, BF982144, AW407847, BE889070, BE004588, AI000563, BE542423, BE004839, AW377548, AW887738, BE797850, AA659393, AA770133, BF857463, AW887741, AI861912, AW887743, BE874816, BE908824, AA342072, AA024719, AI623636, AI139327, AX026895, AF092576, A75030, and AF092575.</p>
HPRAJ96	535	101782 5	1 - 1238	15 - 1252	<p>AL537074, BE733236, AL537980, BE541794, BF664002, BE734188, BF984256, BE278556, BG168068, AA621878, AL537073, R48625, BG118498, BF915081, BF917935, T81623, BE929147, BE763432, AA531459, BF341872, BE763399, BF088660, AA279631, AF134404, AX035942, AB041560, AC003025, AF139813, AC004770, and AC004228.</p> <p>BE905358, AV704795, AI750172, AW068611, BE275273, AU150541, BG111601, BE907556, AA314655, AA176302, AI673815, AI991201, AA706312, AA910340, W68176, BE874534, AA043554, N36982, AV722422, AA234137, AW631333, AI051300, AW664014, AI473768, AI523193, AI797203, AW270058, AW949364, BF875208, AW874379, AI077685, AI890060, AA576776, AI735321, AU146371, AI922768, AU145876, BF667951, N44750, AA843430, AA022580, AV753473, AU147275, AA494539, N31677, AI887582, AA772320, W67717, AA009465, BF830648, AI218399, AA928339, AI128162, AA316991, AI075400, AA776984, AI719508, AI087005, C75550, AI520708, AA632372, AA187398, N59428, AA031548, AA912502, AA747520, BE219519, AW275298, AW275308, AI668989, H97855, N46294, AI376800, AA909487, AI040247, W46856, AA009697, BF476649, BF955428, AA194652, N24190, N24359, N42145, AA035181, AA923004, AA630164, N40074, AA765791, AL513707, AA029219, N33370, AU146814, AA482178, BF875210, AA836987, AU146354, N26844, AW801293, W00475, AA410935, AA970966, AA022562, AA035182, AA932392, W19925, AI266391, AV655435, BE439521, BF110210, AI752294, AW801347, R87786, AW801388, AW801382, AA058722, AA973369, R91664, AI888400, AA453207, AI524359, D54941, AI280430, BE003167, AA953285, AA705642, W19675, AW801535, H97865, H68256, AW022308, AA236216, AI079362, AI826658, AW020707, BF875250, BF875302, BF112188, AW801398, AA343287, H54770, AW801391, BE828307, AA057277, DS8120, AA627764, C14590, AI025863, R94692, BF092425, AI829247, AW801528, AI524357, N91270, AA194759, BF358818, AI289845, AI140145, AI833196, AV701833, N99932, AA532563, H82377, BG120963, AW801401, AI183814, AW801387, R94774, AV738989, AA767636, N92271, N89998, AI886880, AA320152, H04129, AW974164, AW974165, AA988132, AW801384, R67002, BF916552, AA327353, N31704, AI290370, D52922, AA582352, H60825, AV743184, N33146, BE568925, AA541773, H60846, AV735611, AA701997, T90678, H60932, AV736832, T91238, N33260, H68257, AI205605, T90234, AA376145, AA250755, AA343068, DS8117, D58626, AA029218, AW084289, AI554953,</p>

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HBXF71	536	101803 2	1 - 658	15 - 672	AI092002, T18485, AI373789, AI681174, AI799846, AI824342, AI962533, and AW263064, BF982289, AI742002, AI868025, AI884683, AI142532, AI363013, AW157737, AI492616, BF111713, AW173153, AA83990, AW249888, AI201314, AI564939, AI697206, AI865712, AW629325, AI589670, D60647, BE673267, D80732, AW183557, H50277, AA707338, AW157850, H50240, D80038, D81318, D80046, AW082405, AA583279, H19532, BF530892, AA644630, and D81488.
HMVD81	537	101808 0	1 - 1431	15 - 1445	AI188279, BF982051, AW968539, BF112083, BE540598, W07118, AU123076, AA843407, BF574921, AI097335, AI201880, AI742837, AI539345, AI142307, AA570035, AI391562, AV757431, BE669685, BE958108, AA443227, AI367431, AI148021, AA578894, AA811212, AA255682, AA262594, BF475794, AI085416, AI819361, AA493141, AV757735, AV758388, AI148678, AI634525, AA443189, AI244745, AI668949, BF986084, AA527636, AA327805, T61116, BE301362, AI093951, AA465621, N77955, AA455241, T48329, BE183133, BE535556, AW732888, BE567198, AI769272, AI783690, BF131073, AI825568, AV738966, BG031168, AA129447, AW166794, AA282430, BF154836, AI468825, AA770313, T48328, AI474745, AA133846, AI956092, AI540687, N56553, AA096262, T61230, AA095499, AA089548, AW028104, AX048069, AF161477, AL031133, and AK001156.
HVVDH50	538	101822 6	1 - 2331	15 - 2345	AL521726, AL521996, AU123746, AL521995, AI609202, AU17000, BF974185, BF527407, AI048042, AI807456, AI951181, AI218661, AI799636, AU125082, AA554623, BG179365, BF975404, BF972419, BE733203, BF981524, BG179070, BG255004, BE868042, BF339051, BG036217, BG252081, BF339341, BG255011, BG178332, AI676184, BE621953, BG032707, AI635952, BG119610, BF971762, BG169134, BG250093, AW950204, AA907151, BE049474, BE272619, BG256163, AI905222, AI921071, AL138249, AI923213, AW732273, AI248348, BF127623, BF836270, BF698110, BE295255, AA565395, BF837991, BF345537, BE390767, AA654451, AI808854, AI337977, BE897041, BF525931, AA433931, BF724176, BG164450, AI025276, BF827230, AA430586, AA868692, AI055856, AI571884, AA434234, BE871447, BE785049, AI628309, AI193144, AI446480, AU122957, AI027512, AI890381, BF818545, AI338177, BE869320, AA203693, AA477057, AA434320, AI128008, AW401597, BG059688, AA948036, BE042674, AA772594, AI101156, AA311960, BE697381, AA074268, BF205674, AA503629, AA232550, BF339165, AU148816, BF805272, AA063610, BE925432, AW262115, AA476946, BE789123, AI752696, AW074189, BF971680, AI193067, BF769452, AW409987, AI910092, BE146092, AA148767, AW938642, AA405733, AV685539, AA218698, AA152261, AI139613, AI612782, AA402501, AW104644, AA102669, AI309042, BE870473, AW272879, AW263843, AI609066, BF893081, AI720733, N80732, BF209925, AI752697, F37360, AA586858, R53601, AU143943, BE621441, N99159, AA418836, AW960530, AA515096, N94377, W60430, BE614163, AA150287, BE967097, BG026184, W52952, AW001267, AW402003, H24950, AW874376, N23886, BE697359, AA418981, H18111, AW518137, AA292501, AW080655, AA358993, AA150223, H25769, AA310084, W89085, AA135040,

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HNNBT57	539	101824 3	1 - 388	15 - 402		
HCONJ11	540	101845 9	1 - 2009	15 - 2023		

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HCQAW68	541	101850 1	1 - 1639	15 - 1653	<p>AW964813, AW043579, AW606602, BF196135, AW606592, AA808598, BF996827, AW173026, AI417159, AI089360, AI379044, AI027938, AA479468, AI521274, AV706893, AL524145, BF446349, AA470626, AA847893, BF112090, AA418271, AI950883, W31503, AI741193, AI333775, N49409, AA009947, AA456887, AL524146, BF221648, BF903968, AA505961, AW183055, H63962, AI262232, AA778546, AA478576, AA885985, AI972464, H63689, AW193647, AI468599, AI703182, BE090091, AA255751, AW969281, AW292700, AA173415, AA173505, R94806, N49499, W94077, AI678423, D30922, BF515916, W94078, AA417796, BE261235, R94723, AW514056, D31568, AW807806, AA478711, AA335529, AI004158, N87822, N47844, H94985, AV689516, AW614654, AK000010, and AC006557.</p>
HVVY25	542	101877 2	1 - 1399	15 - 1413	<p>BG023883, AI516949, BF347806, AI516883, AL518952, AI831226, AI809120, AI828009, AI951751, AI890506, BE784419, AI983622, AI873523, BE536902, AW195804, BF929565, AI758765, BF892881, AW082032, AV722018, AV721642, BE873168, AW673510, AW966492, AI680233, BE622697, AW512963, AW151053, AW575070, AW731624, BE301818, AW770878, BF940658, AW594313, BE042515, AW514330, AW873970, BF892879, AI018196, BG257923, AA504272, AI934931, AA285329, AI754812, AI352152, AA554954, AI858723, BF347861, AA599595, AW305201, AI201775, AA631300, AW088804, AI472788, AW630681, BE465256, BG254495, AW628145, AI370914, AI055877, AA504444, BG150272, AI860093, AW966486, AA244120, AW051543, AI984410, AI968419, BG009102, AA995868, BF448155, BG231874, AW590016, AW069094, AW341761, AA807620, W60136, AI912098, AI825834, AA115402, AI693788, AI660028, AI962577, AI239601, BF476376, BE618915, AI935466, AI824532, AI961824, AA158486, AI351095, BG057236, BF852585, AI280594, BG248352, AA714530, AA504208, W95488, AA182645, AW512106, AA244119, BF593733, AA158982, AW085867, BG056998, AI768569, BG056799, AI160338, AW151479, AA983670, BG027888, AW170312, AI927318, BG029078, BF764366, H67061, AA888470, AA693357, BF107253, AW241692, BF848473, BF765539, N73591, AI968560, H68143, AI969794, BE618251, AI950776, T28359, AW197568, AW196129, AV746683, AW370116, AI950669, AA159041, N90556, AA302337, AA333143, W95526, BE265830, R42567, BE867690, BE247468, F36408, BE698776, BF815729, AI749001, W20202, AA332441, AI749534, R18363, AW589753, H91599, AW374904, BG023829, AA379738, BE243065,</p>

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HCOMB65	543	101880 2	1 - 4027	15 - 4041	<p>AK026353, AL122050, A08909, AK026947, AK000212, AF130075, AF260566, AL157431, AL050138, U91329, AF106862, E07361, AL122098, AL137463, AL049938, AL137271, AK025391, A77033, A77035, AK000647, U00763, AB052200, X72889, U80742, A12297, AB052191, AK000614, AF116654, AL137283, AK026630, and AA113360.</p> <p>BE740460, AW088016, BE795516, BE741250, BE742946, BG248537, BE562721, BF976367, BG121668, BE311756, BG117818, BG176719, BF971683, BF685870, BF972808, BG117074, BE908344, BG119376, BE728472, BE888904, BF110785, BF570226, BG034983, BG253593, BF688741, BE879728, BG256796, AA029567, BE875064, BE391274, BG119392, AA402384, BG110373, BG118822, BF984218, BE299113, BE620609, BE875708, BF973782, BE388213, BG252185, BG251566, BF794712, BE620071, BG036296, BE270159, BF689443, BE408003, BG035451, BG121064, BF667036, BF316777, BF817726, BE390204, BF817963, BG120527, BF304650, BF974632, BE544312, BE395825, BE874874, BG120501, BG250553, BF127555, BG027177, BG118824, BF310000, BE392265, BF851198, BF128351, BG118258, BF816693, BF816692, BF900981, BG035159, BF816704, BF815094, BG250304, BE870194, BG171394, BF816696, BF814061, BG104233, BG117337, BE280315, BF800057, BF851136, A1478770, BG123013, AW577005, BG252720, BF972118, A1888584, BE298833, N30600, BF851126, AW600806, BF132101, BF816623, BF977794, BE019166, AA523209, BE388456, BF734156, AA420536, A1419943, BE707247, BG119780, AA570479, AW248182, BE562396, A1581646, AW503956, BF436593, AW081108, BF317463, BE903006, AW192280, BF902189, BF808454, BF839762, BE313589, A1826560, AA687948, BG253651, A1806804, BF816699, A1499149, BF906521, BF851138, BF734138, BG109488, A1130911, A1024498, AW499777, A1582670, BE894236, AA666144, BF055360, AL121003, A1204036, BF815286, A1809282, BE542241, BF734042, AW007015, AA402632, A1672216, AA680036, BG120225, BF823652, BG167604, A1076254, AW080013, A1281296, AW500997, A1911117, AA284501, AW501036, AA287229, AW385694, BF815291, W58673, W58674, AA937214, A1983389, AA983405, BG104723, A1571267, AA041529, AW439167, AA862609, W35111, BF851117, BE273713, BF842548, A1827941, AA434519, BG250400, AA233683, BF803353, BE220516, BF514519, BE925572, BF872910, AA666146, AW168196, A1347853, W86679, AW236311, A1285142, BF569251, AW008451, AW069624, AA047713, BE876303, A1982845, BF154854, AW167011, BE327952, AA047680, BG251322, AA658253, AW341858, BF823650, BE876541, BG119413, T57882, H12952, A1924365, BF761208, A1281297, BF304658, BF968848, BE871181, BE728206, A1241191, A1952679, AW129022, BF932483, BF881775, AA622309, BF847955, BF857741, BF154861, BF823638, BE812431, BF819546, A1124004, AW576206, A1910209, A1803834, AW078725, BE810817, H21978, A1887432, BF823648, BF996328, AA604687, BG035824, AL121451, AW176073, BF806147, AA806169, A1686345, BE812423, A1125922, W44896, AW075755, Z82215, AK025393, AK025219, M31013, U87265, U31463, AB022023, M77812, AF139055, X69292, D10667, AR034576, AF020091, AF013570, AR034577, AF001548.</p>
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HUSYI75	562	102087 8	1 - 829	15 - 843	BE616886, BE737370, BE313836, BE616411, BF314407, BF309777, BF683527, BG034665, BE259399, BF685748, BE799408, BF683989, BE313841, BF684679, BG256204, BF305186, BF684326, BF339386, BG120598, BF683765, BF304139, BG031413, BF205559, BF203380,

HSDFS07	563	102090 4	1 - 1051	15 - 1065	BE269689, BE791703, BE299881, BE615099, BF686502, BE728257, BE621350, BE274159, BE272573, BE796339, BE271642, BE877780, BF972624, BE267433, BE263358, BE407188, BE260009, BF346232, BE264439, BE407642, BE207313, BF307831, BF032566, BE275275, BE390726, BE514965, BE737151, A1815489, BE264559, BE387322, BE206730, BE788557, A17161325, BE965238, BE736560, BE563817, BE907306, BE886812, BE740298, BE778841, BG034028, BE019288, AA314913, BF727015, BE410164, BE732813, BE732266, BF308734, BE736392, AA481180, A1238807, BE905096, BF222816, A1391538, BE530991, BE727894, BE300197, AA402703, AA291830, BE531146, AA430585, BG031733, BE409099, AA478002, BE272874, AA813180, F33626, W92063, AA477636, R48213, AA291416, H44698, D81578, A1410810, A1410990, BE737331, F31078, BF808120, AA404634, BE735623, BE563421, BF765469, BE746331, BF763087, BE540929, BF303947, BF765075, BE298233, BF765470, BF765471, BF764997, BE737526, BF763072, BF765732, R48212, BF766233, BF765132, BF765866, A17663018, AA199641, BF765141, BF765854, BF763071, BF765137, BF763064, R76366, BF765085, BF973876, BF765390, AA259156, H45856, AA527076, AA634419, W46909, AA740321, BE787834, BE881978, R53502, AA989515, AA992856, BG256112, AA082859, AA405613, N33016, AA431714, AA402251, AA428739, BE019171, H27361, AA433930, AA781076, BF853885, A1356153, AA421153, BE279846, AA527703, AA437290, AA548838, AA868508, AA045788, AA045789, R71978, H65104, AA557196, AA937294, AA394038, AA878768, AA397944, A1410991, H24982, A107127, AA588044, AA810849, AA890133, N21435, AA235635, AA292632, AA911570, AA911411, A1410811, AA442369, A1960600, BF379278, W04477, BF765089, AA858106, BG249536, BF764187, N37052, A1372897, H26646, AA292262, AA478003, R50043, AA938578, AA405152, BF763063, W46762, D80356, BF765136, A1693701, AA199749, H27989, R50271, BF765135, BF763068, BF765855, AA316178, BF764189, N99395, AA971668, AA775564, AA856667, H61240, A1816429, AA640959, A1983807, BE205806, A1580256, A1243715, R54954, W94910, BE207966, A1239524, A1870009, A1858776, AA405176, AA339108, AA912974, H42340, BF766080, BE882433, A17025910, AA586393, AA259117, A1199548, A1122676, A1161006, BF766220, A1222240, A1269828, A1589829, BG107541, AA918617, A1700353, AK024699, A1121829, Z98941, AA196167, and AA405175.
HSDFS07	563	102090 4	1 - 1051	15 - 1065	AV660563, W28683, H06169, U46296, BF791236, A1816502, H16434, W65439, A1901775, N44987, A1035427, and AB007903.
HCOPC09	564	102120 8	1 - 668	15 - 682	BE877222, BE563229, BE906536, A17006817, A1660818, A1309831, AA075143, AA683587, BE273512, A17004931, N32191, N32189, A17189983, AA195167, A155716, A1457910, A1128868, A17802561, AA505434, A17802439, A17802607, A17305090, A1190254, AA642293, A1933386, A1708906, A17802602, A17802604, AA569431, A174407, A1369322, A17802589, A1656952, H26602, A1656964, BE003740, A17802600, A1017411, AA480199, F29822, BF111575, A1623115, A1886671, A1984344, AA194955, AA074308, T53523, C02021,

HVVB/T2	565	102132 3	1 - 1687	15 - 1701	AI749291, AU134911, BE813290, N51842, AW748175, AK001829, and AJ245905. AU117422, AL514582, AL32153, AL535182, AU119503, AL515348, AL518412, AU142403, AU136064, AU117566, AU125032, AU142609, AU120990, AU125166, AU120250, AU12228, AU120208, AU131839, AU125690, AU120809, AU120431, AU120496, AU121653, AU130969, AU120289, AU141529, AU117312, AU122759, BE731920, AU125858, AU136185, AU143171, AU124914, AU123314, BE748881, AU124640, AL537080, AU117082, BE747420, AU138101, AU143396, BE886071, AU134283, AU138420, AU130772, AU133610, AU134639, AU122001, AU137905, AU124552, AU134165, AU126330, AU120773, AU128599, BE019382, AU123242, BG033773, AU123244, AU128844, AU128812, AU122063, AU140131, BE898670, BE781312, AU126452, AI357396, AW161269, AV713949, AU134973, BE901129, BE257934, BE902602, AU128388, AW410254, AA173565, AU129219, AA885276, BE271870, BF195178, AU127412, BE271305, BF308186, BE543295, BF796416, BE883484, AU134938, BE874501, AA810505, BE280671, BE535185, BE791948, AA460919, AW515392, BG231654, AV760243, BE563561, BE871731, BE514155, AA306727, AW160602, AW614922, AW328678, AI751440, BE267332, AL038056, BE262753, AW264678, BF035231, AA745986, BE874665, AU126313, BE795186, BG105962, BE779924, AU143282, BF919797, BF920391, BF919798, BF919736, BF919863, BF887577, AW410104, BF920023, AV760330, BF919859, BE277024, BF920401, BF919741, BF920393, BE728896, BF892628, BG250877, AA643578, BF919800, BF919739, BF919855, AA136603, AV760748, BF920402, BE895069, BE792450, AA461222, BE781751, AA905219, BF306371, AV760722, AA173850, BF305355, AW073698, AA602419, BE049587, BF305270, AA863330, BE782876, BE242149, AA361044, BF919846, BF304408, BE787371, AA306612, BE313786, BE778186, AW976276, BE748292, BG035992, AV737626, AA826291, BF308278, BF970617, AW161764, BF025985, BE883883, AA173728, AW580945, BF965263, BG119870, AU125383, BE392807, AI751588, AA113339, AA214477, BG024481, AI160578, BE778007, BE781925, AV757089, AA374616, BE264518, BF670760, BE269160, AW797530, BF688054, BF920018, R42651, T41211, AA359827, BG033868, BE271463, BF349723, BF919791, BE085587, BF670517, BG110561, BE246601, R77057, T51111, BE222796, BF210615, D19665, AA749391, AI222227, AA746250, BE085637, W22802, BF681379, BF688133, AI659594, AA903199, BE710280, BE253002, AA084239, BF306478, BF892623, BG167309, BF032518, BE707092, BF576794, BF768008, AW166002, AA092065, AA333206, BE903624, BF768014, BE277196, BE085565, BE867589, BF475712, AW672890, BE890700, AA361776, T51019, BE071854, BE893757, BE934839, BE829205, BF211131, BF688803, AV733173, AW972818, L76159, Z23064, AR083785, AC004051, AL121573, AL034397, AJ237847, AJ237846, AF031568, U62105, AF146191, Z57492, AF074708, AF074707, A41579, AL133665, AL080139, AL389935, AJ012755, AL357195, AF124728, A77033, AF7035, AK026541, A23327, AL389982, AF230496, AL133623, AR050959, X00474, AF116602,
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HAMFW66	566	102132 7	1 - 2419	15 - 2433	AF199027, AB048953, AL133029, AF087943, AL137480, AK026506, AK025435, AK024855, AF116573, X82397, AL117460, A03736, AA085262, AA173113, N83834, AA205473, AI439174, AI559781, and AI149923.
HPMBW86	567	102166 1	1 - 884	15 - 898	AL526421, BF348345, AW960471, BF967738, BG029196, BE888136, AA521213, BG026624, AW269820, AL526380, AA935806, AI811094, BE544188, AW297814, AA530864, AW183088, N93208, AA190485, AI590925, AI580177, AA530872, BG166234, AI192467, AW675014, BG001657, AI770041, AI392640, N78499, AW613010, BF752886, AW082182, AA285173, AI031786, AI031914, AA828941, AA768225, AI921261, AA705598, N73658, AA189018, AA088228, AI081497, AA748426, AV722453, AV722710, AA812077, AV722812, AA825401, AV724527, AA729099, AI476037, AI797637, BF516236, AA181631, AW577499, BG261386, AA115700, H66289, AA190522, BE246170, R80280, BE247161, AA088373, AA826000, D44777, AA988049, AW449908, AA807271, AA829143, AI469173, AI474641, AA552196, AA961047, AA076472, AW183263, W38991, AW969186, AA328179, BE929231, Z30295, AI077532, AA076361, R66760, H57093, AA115701, R77473, AI541132, R31313, AA284026, BE813379, R76603, BE929288, R33300, AA190923, R31573, BF987396, AI824597, AA302351, H67718, AA639693, AW748613, R33149, R66399, AW613313, H57094, AA814297, R76604, AA329168, AI903265, AA091905, BE004643, AI472450, AA190924, F13607, BE926658, BF989794, AW577495, AA419387, BG105915, BE003461, AW440944, AF271070, AC016254, AF075704, and S77359.
HOFMK02	568	102166 6	1 - 373	15 - 387	AA282852, BE909837, AA324267, AI272171, AA826428, BE617994, AV725733, BF950693, AF129756, AL132713, AP000504, and AI245433.
HOUHK71	569	102168 2	1 - 415	15 - 429	BG168646, BG168645, BG117025, BG233641, BG025417, BG258222, BG167818, BG164284, BE612896, BG252223, BE621811, BF345060, BE910738, BF798053, BE621893, BG123011, BF984992, BG117030, BF984267, BG031014, BG117026, BE621810, BG168644, BE614378, BG233645, AA362688, AA362690, AA362689, T29199, BE613101, AL044652, BF793870, AR080280, I66487, A94048, A94061, AR035224, A49045, AR071324, I09252, I09251, AX002278, I09270, I09268, I09269, I07209, I07249, AX042374, AX033488, AX033489, AX033490, AR068508, AR068510, AR067734, AR068509, AG3954, AX042377, AR091571, AX033474, AX035427, AR089207, AR089206, A49701, AX035430, AX033486, AR089208, AX033487, AR089205, A29109, A32111, I66495, AR068550, A23373, AR068551, AX042373, I66494, AR085090, E01324, I08638, A94046, A94054, I58322, I58323, I66498, I66497, I66496, I66486, A27169, A27170, A39929, A83151, AR067731, AR067732, AR038307, AR038321, AR070554, I09267, AX030435, AR051528, AR051547, AX030436, AR051537, AR051524, AX042376, AX042375, and A42964.
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HCOOW23	570	102175 9	1 - 909	15 - 923	AL139395, AL031575, AF152363, AL033378, AC007446, AL391666, AC013358, AL133245, AL031387, AL035667, AC006226, AL136000, AC079045, AC019099, AC002090, AC005543, AL133467, AF001905, AL354933, AL159158, AC018694, AC002407, AL138780, AC005345, AL049766, AL137012, AL121936, AC006251, U91319, AL121965, AL139188, AL023803, AC007510, AC009169, AC000057, AP001595, AC010328, AL109758, U80460, AC087090, AC009498, AL158823, AL035045, AL139379, AL138815, AL445242, AL031655, AL445220, AC018832, AL356801, AL139109, AL109914, AL032821, AL354811, AC007784, AC007262, AL034350, AL031390, AC007404, Z97196, AL023578, AC005058, AL353573, AC021999, AB019439, AL008627, AC005303, AC008843, Z98043, AL161804, AC003658, AP001696, AL138820, AC020754, AC007436, AL138894, AL049874, AP001672, AL161937, AL136170, Z70280, AC009415, AL096819, AC022402, AC004470, AC005323, AP000344, AL135749, AC002302, AC003080, AL137020, AC005255, AP001760, AC002487, AC004920, AC018698, Z93930, AC006561, and AB045365.
HACMT02	571	102179 4	1 - 321	15 - 335	BE253921, AL536770, AL533198, AL534756, AV650088, AL529457, BE293315, AL403132, AL534757, BG248619, AV759232, AL532630, BF515555, BF982726, BE392537, AW752338, BF337539, AL522277, BE252854, BF337870, BE888289, BE796085, AL522276, BE798216, AL536769, BE798556, AW820575, AL515572, AL532584, AL525226, BF342351, AI937797, AL529456, BE269295, AA853153, AA371767, BE296482, BF342746, BE794857, BF304289, AA322256, AL038180, BF204689, BE867391, BE737482, AA486356, AA359937, AL525271, BE925554, BE711533, BE548184, AA348677, AA344315, BF846052, AI878966, AX014299, AF158978, AF196969, AF220146, L08237, and AK000570.
HISDS67	572	102201 8	1 - 2308	15 - 2322	AL534825, BF966655, AL534826, BE297391, BF220011, BE245264, AW156875, BE791830, AL513756, AI288798, AI983649, AI983228, AU148467, BF194886, AI949855, AV751641, BE858463, BF530393, AU158916, BE670426, AU151009, AL537788, AI198922, AU141329, AI084858, AU130221, AA975273, AA826390, AW369907, BE467257, AI419391, BE467571, AA161209, AI369446, AU152769, AW474249, AI702643, AI085602, BG142258, AW471257, AW090631, W26589, AI085983, AI269061, AW079989, AW338324, AI934186, AI798753, AA772100, AW956493, AV654106, AI497580, BF890701, AV746621, BE696848, AU130902, BG056286, AU155631, AU141632, AI368950, AA702289, AV728848, AU133753, AI735233, BE832305, AU159447, AI042204, H45328, AU124643, BE327413, AI378413, BF367422, AI363351, BF940478, AW467982, AW150346, AI654974, BE612670, AA086226, R62990, AI090507, AU134777, AA112992, D61140, AI421781, AW052148, W32560, H15253, AI076859, AI436265, R63046, AA927548, AA757678, H13533, AI651723, BE672226, AW197530, AI367015, H12421, F34298, H45260, AI935399, R68712, AI671255, C15812, R43616, BF448890, BF477771, H12422, AI096595, W32679, AW411298, AW966063.

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HOVAA59	573	102203 7	1 - 2880	15 - 2894	BF663546, BE515265, BF686472, BE271158, BE799923, BG250167, BG114802, BE560209, BE896965, BF983729, BE907113, BG113833, BE867974, BE312104, BF436337, BE267744, BE730335, BE267870, BG259130, BE780948, BF529227, AI678038, BE251580, AI302252, BE301829, AW006365, AW239255, BE889219, BE273260, AW293884, BE218473, AI912806, AW006355, BF058239, AA400151, AI346600, BF732881, BE560177, BE384861, AI703178, BF447926, AI684363, AI814411, AI243451, AA400177, AI458007, BF222427, BE513941, W44360, AA101019, AI479636, BF478032, AW078759, AI160522, BE797999, AA101020, AW296926, AA194366, AI288978, AI299323, AI378783, AI276087, AA399412, AW406211, AW614033, AW028776, AW402617, AW138677, AA308772, AA424970, BE219523, AW004676, AI014657, BF347470, N28719, AW247480, AI217469, AA194451, AW013943, AA582260, AI494169, AI287639, AA078843, AA459771, AA935341, AA962823, BF718676, AI568731, AW575260, BE241846, AW168461, AI609321, AW168460, AW501176, AA102492, N23054, AI270766, AW501163, H03116, AA052893, BE241450, BF061050, AI081881, AW088007, AI828294, AI473797, N79446, AA053066, AA155614, BE839053, AI910774, AA593294, W45713, AI859126, AW501340, AW075530, H25422, BE560824, R68175, H23671, Z25175, BE241715, BG059631, AI922153, BG056804, BE887176, AI333925, AI285233, AI222309, BE537653, AI358978, H12425, AA078842, AI018011, BF941218, AA296841, H25463, AI025963, AA292172, AA516434, H18375, AI909804, AA913370, BF740947, AI973056, AA644057, AI351425, AI540605, AI824426, T84848, AA972466, AW732545, AA495972, H52832, AI202261, AW001521, AW006790, R50745, H23627, AA985274, BF877647, W07816, AW380738, H52831, BF903465, R50289, AA515082, AA830254, BG056687, AI744667, AI808482, AA807117, AW403735, H44855, AA406283, BE241528, AW131676, W23579, AI383034, W35247, AI126158, AI868512, AI671272, BF115474, AW593817, BF841813, AI223169, AI473155, BF588530, Z28826, AW238907, BE560844, AA552350, AA580852, AI653221, AI917471, AI669976, AA033652, AA807814, BG013843, BF876270, H27900, AW166470, AA631984, BG010588, AI745340, AW751433, BE767176, H40656, BE767205, BF796402, AI039390, BF795712, BG252929, BG113493, BG029667, BF338002, BG167830, AI890907, BF971016, BG119543, BG113712, BF970425, BG163646, BF971261, AL046681, BF792736, BG180295, BF968504, BG108452, BG114865, BG111100, AI906578, BG179586, BG111590, BF968622, BG251851, BG165260,

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HOCPL72	574	102205 9	1 - 2428	15 - 2442

HCOMM05	575	102208 2	1 - 1649	15 - 1663	<p>AI684838, AW664661, AI681546, AV708068, BE697720, BE620258, AW369843, AA788975, AI338025, AI128159, BE620797, H67557, W02157, AA837309, BF575014, BF672155, BF825241, AI263533, AI026121, BE711345, BG099512, BE694284, AA329966, AW016318, AA280569, AC007250, and AK001197.</p> <p>BG250919, BG168448, BG119581, BE873125, BE873068, BG026155, AI681802, AA534542, AL044632, AV698020, AI912061, AI912050, AI298280, AI271683, AA587766, AA143726, AA565889, AI052230, AI983603, BF939524, AI369272, AA079779, AI148467, AI028441, AW747800, N93876, AI950520, BF511609, AW024410, AI933105, AW138648, AW579260, AI244430, AW605368, AA583571, AA436795, BF531044, AA158795, AA079751, AA595313, AA947417, R27340, AI373637, AW182724, AI244362, AI869920, AW381284, AI348932, AI991003, AI250467, AI335365, AI611516, AI252717, AW086414, AI252210, AI310178, AI252203, AI345138, AI308005, AI310659, AI250541, AI311180, AI250964, AW301779, AI348928, AW086115, BF840501, AI311179, AI250009, AI345868, AI305732, AI311504, AW303046, AI269522, AI254155, AI335130, AW301495, AI251162, AI862506, AI371584, AI311043, AI251045, AI335320, AI305978, AI590436, AI284537, AI310038, AW301422, AA158794, AI224292, AI252538, AI053635, AI862262, D31472, AW268255, AI685886, AI540612, BE043498, AW371409, W030369, BF718394, AW071370, AI886550, AW371414, BF765964, BF805100, AI955911, AI024888, AA143739, BE645943, AI254135, AW748697, AI246935, AW177721, T35070, BE743993, BF765681, BF030689, AW748701, C00345, BG223100, AW371416, AA902858, AW827228, AW369434, AA581215, AW663332, BF968085, AW117919, BF814541, BE966388, BE898902, AI932915, BF726237, BF753020, BF342070, AI554245, AW132056, BF342475, AI800433, N80094, AI358213, BF726183, AW088899, AI539153, BE048071, BF726504, BG168696, AI919107, BE964497, AI680457, BE047852, AI802833, AW020095, AA946741, AI698401, AL110306, AW118398, AI251830, AL041772, AI805769, AI929108, AI468872, AI680280, BE048157, BG116586, AW999049, AI251205, AI888621, BF343174, BE965192, BF970186, AL046356, AW195957, AW002342, AI889953, AI659795, AV714209, AI520809, AI569309, AW151785, AI498579, AI478123, AL119791, AI922901, AW198075, AW088134, AI432736, AI610645, BG058039, AI587606, AI699011, AI476109, BF341801, AI697324, AI335214, AV729451, AW081255, AI868831, AW073994, AI888944, BF344652, AW189415, AV757797, AI280670, AI590686, AI783861, AL119863, AI866608, AI886124, AI345746, AI680498, AI628217, AI802240, BE907440, BE543089, AL040241, BF895953, AI687065, AW827289, BF343172, AI469738, BE964700, BG029053, BG260037, AI805688, AI249877, BF970446, BE907624, AV728670, AI345677, BF982085, AI952920, BF814357, BE620444, AV756770, AI631909, AI633062, AW406745, AW505354, AI343059, AI376180, AW168031, BG105895, AI682743, AK025588, AK025824, AF119909, AL137526, I48978, AK000647, AL050138, AL080127, AI359583, AF217966, AX019230, AF078844, AF116688, A65341, AK025084, AK024538, AF130100, AL122098.</p>
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HL YDC86	576	102216 2	1 - 2970	15 - 2984	AI207830, BF980256, BG255565, BF527753, AI207808, BG117478, BE882223, BF032245, BG107961, BG028168, AA418445, W55859, AI927385, AI885195, BF207485, AW959654, AW974422, AW026019, AI634742, BE672190, W55860, BE467355, BF216890, AW368105, AW167206, AW938120, AW780348, AI890090, AA609091, BF061507, AW008797, AW471447, BE328742, BF438483, AA486828, BE539697, AI222822, AI922048, AA854525, AI139534, AW268992, AI082583, AI921872, AI689669, AI869021, AI198325, AA890469, BE546325, AA825182, AW166302, N53464, AA568725, AI273743, AA872908, AA565397, AW183155, AA187931, AA137123, AA188547, BE673258, AI420396, AA130271, AI424421,

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HTLEP21	577	102216 7	1 - 498	15 - 512	AA737807, BE396727, BF337404, BE514003, BE901238, BE902214, BE778641, BE560533, BF212227, AI950417, BF310368, AW296355, AI694694, BG113731, BE856560, AI341643, AW083848, AA448944, AW076055, AW772825, BF224446, AI341859, AA316241, AI950236, AW452665, AI796355, AI367080, AA582612, AW891296, AI338467, AW601444, T62771, AF081280, AF079325, AC010789, and AF267714.
HVCAS77	578	102231 3	1 - 1263	15 - 1277	AL521313, AL521314, BE747572, BE253933, BE790552, BE796103, BF976677, BE791415, BE792769, BE274394, BE796689, BF796503, BE794149, BE793203, BE794288, BE793965, BE782408, BE730602, AI659313, BG259406, BF309144, BE795024, AW005203, BE899367, BG180536, BG166395, BF973764, BF002015, AI768158, BE782309, AW005822, BE793448, BE263339, BG112962, BE783146, BE252166, AL520006, AW409697, BE275767, BE797479, BF348188, AI811508, AW409803, BE336617, AA662424, BE408619, BE045964, AA532741, BE798119, BE251277, BE546783, AI245935, AI829864, AA805144, BG121848, BE729203, AA836071, BE208381, BF526851, BG036461, AI422141, AI333291, BE293399, AW071219, AI186332, AA989165, AI075429, AI765526, AI199555, AW631134, AA775457, AI369339, N76112, AA310550, BE560339, AW081404, AI440080, AI097580, AA057723, BF215457, AI306438, AI984535, AA835895, AA261829, AI333784, AA504630, AA314685, AA506513, AI660313, AI369337, AA775467, AW672784, AW081409, AW245674, BE791842, AW404380, AA125833, AA857593, BF804330, BF348989, H43541, AA705660, AI336830, R38335, BE547114, AA732440, H43540, BG232104, BF594600, AA262477, AA639827, BF588468, AA917401, AA329694, AA450327, BF002621, W05602, AW605466, AA995637, AW406034, AA055082, AA249052, AI474964, AW575850, R39418, AW630350, AA502317, AI277110, AI468717, BF807015, AI380789, AA504727, AI474540, AA450328, BF807011,

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HOGCA79	579	102262 7	1 - 791	15 - 805		BG168184, AL520454, W26661, AW852195, BG025290, AV724937, BF507602, BF088108, W03095, AL137260, AB023164, AK024400, and AK025279.
HSKJP93	580	102266 3	1 - 902	15 - 916		AL529011, BG255347, BF690072, AL526898, BE619715, AL526862, AA225276, BE313356, AI038975, AI921710, AW008086, AI090281, AW069180, AI363208, BF589487, AI089610, AI347908, AW149792, BF438638, BF197170, AW169069, AI360030, BE962354, N20554, AA622048, BE645187, AI281033, AI078405, AI206446, AA234630, AI619944, BF677125, AA716397, W46238, AI363209, H57560, BF438307, AI076931, AI245901, AA232141, N50121, AA781638, AI339741, AI949284, AA587473, BF879123, AA417926, BE049614, AA039652, AA725052, AI088073, BE617041, AA873510, AI830299, AI674249, AI075714, BE301100, AI184096, BF060686, BF060708, AI143825, AI682736, AI371374, AI753946, AW517317, AA404562, Z41593, AW197868, AA039653, AI201064, AA226403, AA911964, AA936800, AA587227, AA180295, AI375376, AI472925, AI375208, AA633085, AI917575, AI796045, W46237, AA256621, AI276514, T35186, BE440014, AI022101, AA490686, AW753961, BE720795, AA490464, AW380609, AA907215, T23530, H69686, AW207363, BF088878, AI272710, BE814054, AA677846, AI887107, AI382910, AI340115, AW591579, T69837, AW883612, AI868215, AW800073, AA382930, BE931847, AA508694, BE763875, AW025790, T29949, BF917720, BE715584, AA709274, BE172905, AW578884, AI000438, T70170, Z39224, AI242350, AI242352, AA065234, BF037167, T32777, AA232682, AI362572, BF593504, AA559094, BE715507, AW591554, BF736794, AA747146, AA442426, AI498518, AA715001, AA064932, AW795338, AW795199, BE814103, AI869467, BE832738, BE832684, AW967343, AW879422, BF815725, and AL050022.
HAZAA64	581	102271 9	1 - 1012	15 - 1026		BG250151, BG030305, BE621879, BE877128, BG169415, BF315280, BG115047, BE313140, BG178675, BG250651, BE780849, BE621219, BE888948, BF984358, BE883171, AW955813, BG027461, BF978356, BG028391, BF978621, BF968789, BE313134, AV706213, BE261031, BG178287, BE407132, BF573272, BE265622, BE047800, BF111443, AI039662, AI432190, AI750580, AA181190, AI264676, BF700663, AI554856, AI373711, BF965142, AI151373, AA227851, AW248400, AI571831, AA904468, AW264035, AW263997, AA886963, AI217114, AI636464, AA902875, AW263443, AW246715, AI348664, AI660883, BE932685, AW057916, AI817324, AA464607, AI336179, AI080510, AW194208, AA035005, W73343, AA100458, AA989396, AA774506, AA100457, AA765035, BE932688, AA805569, AI400059, AA599048, AA749257, R60617, AA157856, AA570219, AI400073, AA826173, W73512.

	582	102290 4	1 - 613	15 - 627	<p>AA112021, AI695582, AA573558, BF772814, AA157921, AA227605, AI750579, AA353565, AA188269, W95256, AA987195, F20720, AA471252, AA035106, AA035006, BE296789, BF438531, AA889565, AA437128, AA035504, AA837214, AA884570, AA912419, AA235019, AI918748, W87516, T62997, AW404111, R17503, AA332419, AA337856, AA355412, AI420814, BF906638, BG167543, AA740598, T63140, AA357479, AI351271, AW816694, AA496183, W95158, BE965706, AA031607, C00461, AV688389, AV689546, AA215875, AA585473, AA031363, BF685657, AW299923, AW139861, BG251572, BF434829, BF684686, AI381769, AI279339, BE254918, AV728366, AA234771, R60561, AK026165, AK027059, AL109953, and AL110094.</p> <p>BG259688, BG256381, BG106089, BF540736, BF685406, BG258836, BF317099, BE885124, BF685000, BG119494, BG026412, BG169451, AA130162, BF338064, BF035082, BF794548, AW163397, BE887335, AW247610, AV762460, BE769830, BE769829, BF307824, BG256286, BF346899, BF035806, BE891041, BF668220, BE735421, BF346627, AV764510, BF686475, BE905176, BF965427, BE563345, AW404764, BG105558, BE292726, BE732009, BF674377, BE733090, BF978450, BF309938, BG260314, BF218394, BF699000, BE784528, BF879216, BG253332, BE907669, BG028162, W65380, AW939133, BG260576, AW406459, BG032966, BF879284, AA037254, BF669461, BG249709, BF344262, AV688291, BG025832, BG114919, BE790011, BE547194, AW605534, BF689211, BE275820, BE895300, BF794947, BE274641, AV761956, AV760279, BE617459, BF237719, BF769691, AA244342, AW802123, BE905962, BE795747, AA736559, AV660803, H19605, BF768800, AV761301, AI718292, AI801068, AV716780, BF829067, AI033692, W37563, AI805149, BF343157, BF374369, AW157339, N55921, AA308978, AW880508, BE747475, H49329, BF768932, BF738806, BE832841, AW161592, BF185152, AW796437, BE568100, AV694334, BF768790, AW057902, BE617906, BF360560, R62329, BE539858, AW665269, AV711201, R69210, BG254986, R66651, AW802172, AW881164, W38866, AV655875, AW802153, H87324, AW340407, R71144, AV688290, BF879276, BF214803, BF929293, R81889, BG120942, BE560575, AW802168, R53482, BF209485, H15764, AW802110, BF681137, AA375768, AW802147, BE077283, BF771934, H50061, BG171644, BG058508, H42936, BE077392, R48677, BE082886, AW407445, AA347144, AW802114, AW340164, R82676, D30956, T83271, D31446, AA405848, BF246844, AW583591, BE077328, AI377826, AA063466, AA371719, BF771933, AW794316, BE298232, BF376838, AA506331, AA062973, BF376632, AA374912, AA877781, AI245944, AI870352, AW361732, AA309983, AA507296, AA405806, BF770066, AW958497, BE908127, AI376668, AW080994, T86590, BF349383, AA654022, AA132472, BE694496, AI753821, AA843958, AW804272, AA502629, AW262017, AI871454, BE170840, N22675, AW902974, AI200846, AA968888, N92574, AI368783, AI023505, AW878956, AA508010, H96667, AI094436, AI222362, AW800153, AI818859, AA035095, AA844075, AW973531, BF806782, AW845333, BF807373, BF868465, AA401366, BF806177, BF806786,</p>
HSEBD72	582	102290 4	1 - 613	15 - 627	

HDPYE27	583	102291 I	1 - 2457	15 - 2471	<p>BF810002, BF806190, BF868506, BF868510, BF804849, BF947111, AA576753, BF868597, BF869189, BF869183, BF806191, R58135, BF806849, BF868551, BF869185, BF810004, BF869218, BF804838, BF806661, BF868596, BF806189, BF804841, F18900, BF800552, AF068235, AF044773, AL117694, AB024333, AB025349, AC078937, AF070447, AF037080, AR080280, and AB026436.</p> <p>AL535627, AU117693, AU133608, AU119497, AL134742, AU133888, BG105714, AW025344, BF979860, AU133649, BE300443, AW612474, BF526063, AV717721, BG251688, AI658995, AW341214, BG170879, AI806196, BE544828, BF432471, BE869548, BF792621, AW867813, AU136996, AW471220, AI440474, BG260994, BF966796, AI969455, AV701778, AW149733, AI346272, BG166396, BF3440507, AI765002, BE738221, AV662073, AV752780, BF694518, AV748898, BE549788, AI034259, BE738065, AV661976, BF671837, BE089819, BE795854, AV734070, BE005803, AV686490, AV686488, BE005795, N75091, AV662018, BE005664, BE895332, BE178956, BF242928, AI122783, W29011, AI333196, AI825897, AA314971, AV752594, BE005606, BE858054, BF130219, BF576841, AW664049, AV661779, BE005669, BF540905, AW022145, N77557, N28928, AA243776, AA165101, AW900013, BF589341, BE005676, BE005672, BE299622, BE005575, AA228021, BG120042, AA743613, BE005741, BE005737, W60732, BF952459, AI299595, AI246278, AI080681, AA926635, AA035737, AW631275, W73050, AI379933, AA228112, BF954892, BE005568, BF963753, AA082696, BF670939, BE675773, BE005736, BE005746, BF327649, AI274376, AA281420, AA243648, N27998, BF575026, BE164952, AA278973, AA410182, AA290935, AA232786, AA410201, AW630845, AI873477, AW953374, AI830057, AI026003, N43014, BE084625, AV682830, BE081358, AW900070, AI828386, N75197, W37990, AW900066, AV654432, AI282107, AA233347, N36648, AI095232, AI915416, BF563823, R56367, AV659848, D56390, BG037063, H04632, T08244, AV650468, AA130092, AW193046, AW468972, BF577350, H42814, BF790682, AA778440, H21609, AV658915, AV751826, AA386234, R31373, N37091, BE762493, BF239542, AA912662, M78700, BF725237, BF247208, AW900064, BE708290, AW007159, AA310870, AW662402, R76203, AA639654, AW999182, BF950167, AI094600, AW021634, BF737909, AI683811, AA057679, AV651954, T35315, AA053789, H12348, AA094999, BE814819, W80865, N47433, H72981, AW370192, AU145818, AV750848, T34113, BE000442, AV750781, N50027, BG057321, W07579, T31648, AI744925, D58486, T30904, N80416, AI698554, R59114, F06223, C04716, N46147, D82417, N22321, N43000, BF927325, BF029395, BE165011, AA298197, BE181257, R78803, F12336, AA486303, R96110, AI363334, C03677, T66084, R33003, F06176, R24775, AI479455, AU144460, T16664, AI963359, AI445747, AI339917, AI500179, AI6553997, AA693500, T56448, AA737626, AI333501, AI697381, AI040028, AA302875, N21339, AI467948, AI363372, T31494, N38773, AV747459, AI244054, AW663192, AK025782, AF062347, AF062346, AL135924, AF062072, AF062071, AC011497, X75687, I37047,</p>
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HCRQL51	584	102299 7	1 - 2305	15 - 2319	<p>AL035687, S77728, S77733, AL031779, R33002, R35868, R38141, R74436, H43352, R84456, H72982, H89910, N42305, N43789, N46405, W24772, AA032297, AA054617, AA057645, AA228055, AA236690, AA258520, N87136, AA096136, AA285111, Z24957, Z42327, F05590, and A1264124.</p> <p>AU119322, AU118070, BF793583, AU137424, BE617595, BE315138, BE745899, BF968625, AL536796, BF035337, BG252446, BF037602, BF034003, AW962462, BF032444, BE906949, A1735021, BE788139, BG180237, BF968987, AA742531, BE251625, AV686830, BE293987, AW961556, BG180156, A1885309, BE796435, BE780280, BE301295, BE746423, AV703004, AA305098, BF035583, BE294731, BF306595, AV703002, BG179712, AL525791, BE298699, BG114053, AW411113, W74495, A1669362, W81038, BF032316, W80993, BE250265, BF308144, BF203753, BE544148, AA164898, BF219917, W52079, AW055121, AU151701, BG026198, C18503, AA826677, AU152875, AA861256, N58519, AA490662, BF107490, AW439205, A1141566, BE295898, BE467825, BF939939, N78110, AA022816, AU145696, A1139127, A133233, AU144725, A1687696, AA164350, A1131285, AW026846, AA628910, A1312082, W68312, A1160305, A1185908, AA490663, AU131850, AU146589, N52266, AU153513, AA452014, A1144355, BE297017, AV747490, A1362317, A1887487, AA460515, AA628412, AW028103, AA063604, H98032, H98026, A1761235, AA902345, AU150829, A1435142, A1185808, BF204612, AA865476, BE298732, AA128515, BF195219, BG054834, AA834957, AA022724, AU150185, AA452667, AU157170, W79092, A1280837, A1146288, N99570, AW411362, AA406257, A1521491, AU120552, N70514, BF589080, A1375013, BF110251, A1141866, W92519, W69407, AA046582, AA411293, H19196, AA770242, W79442, A1190213, AA406349, A1221257, A1333864, AA886676, BG111370, W03825, AA406194, W68313, W95431, AA903867, W05412, W74422, W74431, A1141157, BF793551, AA653273, A1038020, BE271596, AA694594, AU131039, A1878927, N95320, A1802326, AA305289, AW411114, R18211, BE616934, AW069853, A1471836, BF793734, A1150777, W69593, A1094648, AV693992, N90108, BF365091, AA931449, AA039647, W79185, W73571, AA653287, A1185405, BF330499, R70970, H97401, AA039648, F08689, AA046668, BF038202, AA129961, AA305621, A1871226, AW087931, BE271614, BF309462, W38390, AW802705, AW806684, W94567, AA367561, A1097533, AA621450, R17280, A1057156, A1214700, W76075, A1015116, W95558, W81075, AA693348, BG036963, BE295852, N70464, AA449581, R89201, AA368025, AA991769, W42631, W24562, AA649724, F08884, H97406, AA450357, C15326, R66204, R96759, BG036738, AA328199, F08872, AV685126, T19284, AA460514, W79342, AW044059, AA728839, AU127692, AA331425, BF054990, T51402, R44806, AW023107, AA330284, AV752334, AA340217, AA358762, W79158, AA494531, W73490, AU129611, C15210, N46311, F11207, AX014085, Y11534, D78611, D87367, AC007938, D16262, AL445439, AK002086, AK024414, AFI57833, T48441, T52292, R19141, R23196, R23195, R23611, R24673, R25173, R41957, R42149, R41957, R42149, R67082,</p>
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HDJCC55	585	102304 6	1 - 520	15 - 534	R70922, HI8530, N71560, N72917, W24586, W45234, W81095, W95593, W95659, AA036686, AA594301, AA614281, AA744990, AA903669, AA912250, AA935387, N56192, C14901, AA092504, C14933, C15022, AA091550, AA093911, AA095693, AA205895, AA211924, AA450356, AA598610, AA665512, AI017506, F03758, F11221, AI369005, AI424616, AI422359, AI127146, AI219689, AI205839, AI350451, and AW089816. AA258999, AW968317, AA188896, W37285, AA279200, AI224604, N46923, AC007246, and AC007253.
HOJQ91	586	102304 9	1 - 1295	15 - 1309	AW168960, AI768465, AA833900, AW513031, AW172822, BE047295, AW168819, AI922412, AA234667, AW167313, AW072542, AA234092, AI733409, BE047365, AI147222, AA169392, AI683793, AW150155, AI812106, AW194288, AW189221, AI042034, AI624047, AI564173, AI870263, AW192809, AI743616, BG166439, AI623851, AW419167, AW002809, AA937976, BE047176, AI564249, AI624863, AI623924, AI469088, AI041979, AI871945, AI871951, AI580123, AW205936, BE935573, AI371324, AI554903, AI625585, AA828595, AI783522, AI047564, AI745174, AI566183, BE677512, AA426189, AI826615, AI333335, AI253620, AI347565, AI248726, AI201873, BF433582, AI435879, BE674699, AI367602, AA962745, AI360271, AI417677, BF002902, BE677503, BF109285, BE045621, AI499139, BE315309, AI671362, AI539403, AI674360, BE503132, AI859468, AI301030, AI767147, AW169324, AI694531, AV754007, AI310735, AW157803, BF724651, AI826759, AI279129, AI003585, AI621336, AA827587, AI680494, BE218962, AI078673, AI672366, AI733257, AA789104, AV754606, AA205327, AW170737, AI093680, AI926281, AI619860, AI784110, AW293059, AI800270, AA283760, N25626, AA457543, AA559351, AW473664, AA828577, C75159, AW130212, AI872863, AA302630, BG166851, H46978, AW002819, AA831557, AI200964, AW512414, AI290120, AA464958, AA931732, AW979025, AA405630, AI817564, AI124945, AI478915, AA809727, AA286859, AA283951, AA829588, BF841884, BF346199, AA287165, AI278996, R34748, AI246535, AA253309, BG113717, AI923125, AW971894, BF769175, AA984914, AI370393, AA134112, AI381491, AI793281, AA115873, AA029807, H09578, BF814192, AA234721, AA252903, AA629539, BE932216, AI191747, AI669856, AI565478, AA987462, AA703946, H01491, AI955885, W81069, HI7450, BF850162, AA384359, R35085, AI761053, BE963431, AA702262, R51044, R09408, AV750439, AA978001, F12486, AW867924, BE618648, AA757319, AI001988, AI935395, AA526772, H85093, AA582172, AA721397, AA552269, AA721299, AW867939, AI247246, AI453231, F15201, AA384384, BF083266, AW602400, BF940390, BE774537, AW973189, T74222, AI201095, AW867946, AI935681, AI865498, AI804497, F15194, AW977077, AI287361, AA788650, AI080317, AC008554, AC011751, Z98750, AI357654, AI158167, AF179874, AI031073, AC016678, AC010598, AI122001, AC022401, AI157931, AC010877, AC007068, AI121947, Z97876, AP001748, AP001629, AK022175, AC005023, AC011506, U85197, AE000660, AC002301, AI121931, AC012099, AI121593, AI109843, AI353759, AC006313,

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HCEAK28	587	102322 7	1 - 828	15 - 842	BE251233, BF038927, BF347465, BE255791, BG261100, BE265011, BG252766, BF237964, BF341361, BF811744, BF812225, BF812221, BF811725, BF803568, BF683177, BF811925, BF803566, BF803575, BF341300, BE710680, AI338346, BE257293, AA740876, AW247781, BG149833, BF526519, BF808322, BE266628, AI813350, AA419453, AW007022, AA159868, AI394647, AI831560, AI986018, AI391639, AA251685, AI923681, BF808339, AA159159, BE501108, AI283861, AI459093, BE251035, AW167781, N57101, AI191699, AW137364, H80356, BE736716, AW793699, BF718607, BF923554, BE466741, AI245965, AA708766, AW571508, AA251686, AA252787, W76495, BF434616, AI955009, AA419463, BF812236, BF378516, BG056211, AI003741, AI203962, AI057195, AW026970, W16577, AI376270, AI300556, W71991, AA394018, AI094017, BF811912, AA609205, AI379060, AA461579, AI421922, AA084917, AI356865, H18135, AI783705, AI127734, AI370833, T68938, AW976556, AA084133, AI191294, AI826910, BF108552, BE766920, AA679251, AI269971, BE394697, AA601010, AW883934, AW883925, BG014220, AI800716, BE671366, BE673174, AA744620, AI344391, AA632031, AI400496, BG014333, BF718567, AI796780, BF348502, BG236778, AI378507, AI744581, AU134588, AA159208, H41958, AI241187, U66879, AF021792, I63695, AR079500, AF031523, AF031227, AR027720, AR027721, AR027722, L37296, AR053293, AR027723, AF003523, AF279910, AK023420, AF279911, Z57098, AR027724, AR027725, AR027726, Z57099, AR027727, and Z57752.
HPDVY62	588	102326 4	1 - 1441	15 - 1455	BF791680, AL157538, AI610419, N76659, BF216785, AW139803, AL079664, H15335, BE697296, BF906493, BE142894, AW797489, W32059, R5591, BF062564, BE835658, BF766768, BE546573, AV692836, R22184, T85798, BE142893, AW379474, BF687947, AA329802, BE536844, AW903869, AW903870, AW380710, BE819364, AR016730, and D50857.
HLHDK42	589	102333 9	1 - 500	15 - 514	
HLDRQ55	590	102337 5	1 - 409	15 - 423	BE561708, BE397890, BE268639, BE397751, BE397790, BE269151, BE873069, BE268295, AU120617, BE271270, BE268703, BE268701, BE398100, AA334095, AW995307, AW995309, W31960, BF895806, BF931643, BF930965, BG002721, BG002138, BG002722, BG002718, BG005940, BE174438, BF819638, BE167551, BF819433, W76394, BF812079,

HVVBI06	591	102341 4	1 - 1435	15 - 1449	BG002292, BF087746, AK025337, AF034803, AK001131, and U79024. AU121060, AL524073, BE731783, BE733775, BE798760, BE797665, BF982757, BE729218, BE728554, AV723001, AV716494, BF695695, BF242517, BE732954, BF795423, BE879759, BE732923, BE562197, BG115476, BE896076, BE562376, BE794139, BF672980, BF032401, BE732931, BE563691, BE896648, BE885875, BF213466, BE874320, BF665994, AW961027, BF667041, AW961019, BE619281, BF965285, BF184706, BF183836, BE543111, BF240830, BE270698, BF973136, AI114724, BE385687, BE787172, BF978288, BF125558, BE907607, BE391842, BF694036, BF184106, AW951807, BF212993, BF184932, BE734775, AV715859, BF573586, BF697212, BF103826, BF213045, BF701226, BF238438, BF212145, AI525578, AV710440, AV759667, AV703094, BF698530, BE548132, BE748425, BE564883, BF183893, W02952, BF685104, BF212212, BE564063, BE567314, BF028072, BF697499, BF672133, BF695461, BF664731, BF573565, BF212506, BF699650, BE562148, BE958217, AA187814, BE958124, BF695287, BF184999, AV717310, AV706418, BE567531, BE737889, BF103745, BF668704, BF665496, BF242298, BF699106, BF132731, BE566481, AV715122, BE568506, BF571371, BF700006, BE270579, BG110157, BF212115, BF668868, AV715832, AV714082, AA187818, AV714956, BF027705, BF695727, AL524072, BE250921, BE564282, BF207927, BF132342, BF665427, BF208451, BF239518, BE568083, BF184647, BF214386, BF351648, BF668895, BF029289, BF573910, BF212012, BE407757, BF248417, BF132410, BF698893, BF696699, BE563995, AV716411, BF977835, AV715099, BF155127, AA315423, BF029476, BF700327, AA011002, BF030329, BF210488, BF671021, N24411, AV722691, AW631367, BF239345, BF028941, W39678, W07050, AV750423, AA313955, BF744150, AW751793, BF029529, N79718, AA588785, N27672, BF212072, BF211229, BF211856, BF242151, AA037095, BF034657, BE960836, AA101348, BF214352, BF103884, W81499, BF239431, BF698675, BF215318, H82172, AW629729, AV761372, BF215826, AA157381, BF126109, AV756747, AV756268, BF676288, H16955, AV712613, AV762396, T32107, BF667232, BE777574, BG026950, AA157614, AV717904, BF570823, AV658036, BF239745, W40280, AV713889, W16740, BF217052, T59582, AV750431, AV685082, BE775036, BE748945, T35555, AA305434, AV707476, BG035879, AL742758, AV706173, BF701311, BE775071, BE619895, BF695315, BE569188, W24555, BE567258, W65442, BG034184, AA363213, H81955, AL037301, T34594, BF354152, T33932, Z45780, BE709223, AU133503, AV715886, R00935, BE614342, W19245, AW025087, AV755537, BF243756, R22626, T35968, AV656765, AW363004, BE613624, T49361, BF354185, BE254680, N56123, BF753104, BF748791, AF064603, AL078477, AK001768, H95940, W24774, and AA089459. BE903361, BG024522, AU121709, AL520222, AU120408, BF312234, BE280271, AL528866, BG030073, BF735338, AL529949, BE254932, BE873142, BE871646, BE889244, AW445184, AL519310, BF339823, BF944071, AW732693, BF205332, AW370642, AW246161, BE262499, AA702613, AW246057, BE314433, AW361547, AL519664, BF313220, BE280953.
HOCME51	592	102342 2	1 - 820	15 - 834	

HPDOP74	593	102353 1	1 - 1646	15 - 1660	<p>AW444787, BE514470, BE796255, BE743573, BG166846, BE561976, BE728520, F31306, R60742, AW403020, BG107429, BE883969, BE279804, BF240240, Z44022, AA356461, D31044, C04685, BE268813, BG164965, F05332, BE621018, D31192, W24979, AA158906, AA471248, BE829084, BE829145, BE930490, W04803, AA233384, BG248166, AA300610, H84800, AC011526, and AK001103.</p> <p>AL515112, AU142335, BE747636, AL519047, BG034207, AU130268, BE900224, BE79717, BE797012, BE794333, AU120518, BE741737, AU121130, BG163776, BF035644, BE793884, BG258183, BE791478, BE790974, BE744546, BE734152, BE787289, BF569162, BE744251, BE903073, BF025650, BE791225, AU122661, BE733512, BE561359, BE270507, BF984460, BF568938, BF311137, BE732820, BE253671, BE274893, BE740907, BE382686, AU131487, BE908861, BE901585, BG251242, BF317343, BG255108, BE270700, BE730619, BE733166, BE790899, BE513857, BF974994, AU143085, BE296428, BF037558, BF972271, BE562328, BE733956, BE397680, BF568100, BE548679, BF969945, BE898349, BE541044, BE386114, BE732240, BE264178, BG255263, BF308361, AU246046, BE269817, BE257703, AA928500, BE251347, BE787474, AV714041, BG119567, BG030821, BE884879, BE386634, BF308115, BE268046, BE267345, BE539029, BG258880, BE792587, BE255191, BF305594, BE560772, AA402325, AI003495, BE902573, BE295292, BE270267, BE536427, BE384555, BE397681, BG027207, AW733034, AW410847, AW950871, AI859597, BE182609, BE514319, BE182688, BE267828, BF797623, BF305378, BE562077, BF316656, BE275737, BE270325, BG027977, BE252374, BE294306, BE390156, BE389542, BE257279, BF791831, BF309261, BE280388, BE513455, BF313867, BE269096, AW079058, BE263474, BE384067, AV733594, BE895782, BE279042, AW369617, AW733050, AW473344, BF125667, AW169145, BE260112, AU126285, BE894716, AW276653, AA074628, BE277505, AI597736, BG256576, AW247190, BG121290, BF303833, BG249325, BE622224, BF312323, BE252020, BE539532, BE886264, BE256126, BF206827, BF692334, BE268057, AI859592, AA187762, BE279598, BE542589, BE265697, BE798811, BG180827, AA595282, AA081122, BE388284, BE537314, AI888202, BE901326, BE256075, BE387931, BE294099, AI672924, BF315163, BF695645, BE398080, BF983598, BF128665, BE394973, BF838286, BF206986, BE295035, AW247314, BE312949, BE342939, BE301402, AA736416, BE622625, AA402733, AA479876, BF125389, AL038991, AA147791, BE743553, AA075926, AW959817, BE567356, AA191539, AW008725, BE791264, BE259660, AI689394, BE933968, AA588318, AW238920, AA308544, BF209071, BE304572, AA189167, BG255226, AA479766, BG179204, AW247110, AA903041, AI241523, BF238540, AW406842, AA306580, AA155786, AU151057, BG249268, AW733038, BE208529, AU128829, AU159673, AW169059, AA583794, AI475144, AA081167, BE386908, AA488332, AA724742, BE297085, BF033617, BE798264, BE267981, BE149825, AI673444, N52020, AI298290, AA983274, W28391, BF209617, BF840705, AW138544, AA443586, AW966061, BF058848, AW581061, BE263571, C06415, U59435, AR035973, U87954,</p>
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HMSOH12	594	102354 5	1 - 1560	15 - 1574		AL533942, AL517106, AL519158, BF969343, AU123953, BE274430, AL079359, AL516731, AU119388, AU137581, BG260794, BE729363, AU126169, BF968356, AI613467, BE891343, BE856952, AI300483, AV758159, AW193927, BG253821, BE561707, BF685254, BF025714, BF204435, BE355183, AW189984, BE615514, AW411390, AA843807, BG110117, AW130652, BF686761, BE251866, BG106071, BE866866, AI922394, BG109089, BG255964, AI201699, BE390849, BE879520, BE397528, AW511981, AI963633, BE856814, AI423945, BG031061, BE514238, BG254463, AW245885, BF797060, BE618666, BF240199, BE270714, BF237622, BE391206, BG251685, BG231965, BE735492, BF576343, BE543072, AW245627, BE874828, AI949356, AA528085, BG058617, BE542855, AA922069, BG058783, AW675410, AI676057, BE563941, BG110677, BE963465, AA586624, AW081836, BE258732, BE737235, AA578813, AW304104, AI687719, AA205408, AV693973, AA599128, AI829317, AW249959, BG167562, BF793110, BF312730, BG171677, BE537970, AA863168, W58256, AI332541, AW411391, BG179859, BE869765, BE391483, AA962825, AA192343, AA563661, AI610728, BE256347, BG149625, AA583073, W38880, BE788717, AI128002, AA862353, BF034961, AU157285, BE270231, BF126612, AI077779, BE265418, AA129387, BE408325, AU145745, AI094998, AI951183, AA868941, AI089484, AW591545, BF684418, BE397990, AW768554, BE729211, BF241282, BE866301, BE263533, BE392663, AW104917, BE793386, BF338208, BE270930, AW970516, BE794328, AI159843, AI361579, AA970295, W58431, AW078838, AI352387, BE222412, AA977387, AI922344, AW246226, AI359386, AI539440, AW007996, AA232540, AW950483, AI361670, BF970307, AL120366, AI300132, AL514702, AW009776, AI185747, AA282066, AA099319, AI939298, AI284003, AI809064, W69208, AI538039,

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HOPJG50	595	102358 4	1 - 999	15 - 1013	<p>AI818136, BE254699, BE394136, AI248736, AA128015, AA128058, BE740292, BE394007, AV715517, AA181138, AA946918, BE386219, BE384197, BF115774, AA505384, AI342431, BF663605, AA421550, BE383454, BE856060, BF238135, AW327294, BF975044, BG109613, BF306933, BF971761, BF796461, BF976338, F31091, BF205908, BG059331, BF594887, AW630281, BG031772, BG059327, AV703551, AA528669, AV758129, BF965194, BE901363, AA420717, F31092, BG059237, AA622408, AA482925, AA417254, AA635583, W68664, AA651658, AA314600, AW957853, AW957776, AA825612, BE254347, AA316648, W52650, AI348852, AA991834, AA505394, AI879569, AV758078, AA187998, AA186606, BE378595, BF664191, BG167921, BF792168, AA862109, AW772715, AA314556, N90275, BF204194, BE542238, BE565986, BE733273, BF664460, BF984965, AA307087, AA187537, BG110426, BG059284, BG059404, AA640483, W81029, BF691633, W96306, AA808869, BF973784, AA653801, AV757649, AV758634, BG111334, BF974782, F32467, AV757915, BF975405, BF217288, AA775298, BF203200, BE910168, BG027738, BG171050, N78682, AA420763, AA469168, AA314013, BF033360, BE733420, AA187128, AI879186, BG033224, AA579430, BF664216, BE254952, AA654628, AA506547, F33074, BE382775, W45176, AV759520, AI735276, AA225075, AW082068, AA484856, BE393379, BE408834, AW512614, AA737195, AA838376, AI185905, BE972548, AA155975, AA147815, AI090379, AV716040, AA534263, AW440264, AI185191, AI830011, BE382375, BE563028, BF128567, AW651774, AI336250, AA541346, AI193986, AI004885, BE718987, AI598223, BE256235, AA469285, AI817453, F25989, BE876006, AW328419, AW276969, AA643777, AI735264, AV761604, AI718714, AA157591, AA960763, AV755428, AW328418, AA524595, BF971668, BE386711, F28423, BF182680, AW006688, AI140252, AI131544, AA528681, AA844667, AI193088, BE729049, BE745551, C14506, AA315116, AA181285, AI718105, AA659113, AA483568, F30622,</p>

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HDUAB04	596	102358 5	1 - 448	15 - 462	BE383454, AV758129, BG031772, BF691633, BF975044, BF971761, BG167921, AW327294, BG109613, BE740292, BG110426, AV758078, AV703551, BF238135, BF796461, BG059327, BF306933, BF976338, BF203200, BF663605, BE901363, AW957853, AW957776, BF204194, BG027738, AI348852, F31091, BF965194, BF205908, BE254952, BG059331, BF975405, BE733273, F31092, BF664460, BF217288, AA187998, AW630281, BF664216, AA482925, AI879569, AV757915, W81029, BG171050, AA420717, AA505384, BF594887, BG059237, BG168189, AA314600, BG059404, AA528669, AW328419, AA946918, BF974782, AA825612, BF984965, AA316648, BE972548, BG033224, AA808869, W45176, AW772715, AA651658, AA314556, AV716040, AI735276, AV715517, BE254699, BE394007, BE386219, AA417254, BF128567, AI336250, AI342431, BE384197, AW328418, AA622408, AA181138, W52650, W68664, AA635583, AA991834, AA506547, AA187537, AA128015, BG111334, BE254347, AA640483, W96306, AA524595, AA505394, AV758634, AA186606, BF971668, AW651774, BF247412, BE973930, BG059284, AI879186, AV757649, BE378595, AA862109, BF976593, N90275, BE514672, AA187128, AV759520, AA659642, AA737195, AA307087, AA579430, AA643777, F32467, AA654628, F33074, AW082068, AV712900, AA534263, AA484856, AA653801, AV712234, AA469168, AA420763, AI090379, BE563028, AV761604, AA421550, AA775298, AA469285, AW419243, BE910168, AV755428, AV756384, N78682, AA225075, AA314013, BF033360, BE876006, BF792168, BE386711, CI5999, AI735264, BE394136, AA315116, BE382775, AI004885, AI185905, AW512614, BE393379, BE408834, BF663886, AA155975, BF664191, AA541346, AW006688, AA838376, AA507479, AA528681, AI147815, AW440264, BF229948, BE746138, F25989, AI718105, BE382375, AI185191, AI830011, BE379420, AI074436, AI193986, BE729994, AV712506, BG032569, AA483568, BE718987, AA844667, BE256235, F30622, AI598223, AI431978, AA157591, AW340929, BF214496, AI718714, AA147943, AA960763, AI140252, AI131544, AA659113, AA226596, F28423, BE297049, BE729049, BE745551, AI193088, AI749326, CI4506.

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HVCAA38	597	102363 2	1 - 1881	15 - 1895	<p> A1188505, BF690148, BF026738, BE788073, BE898975, BE872049, A1435132, BE383746, BF308312, BG258166, BF694124, BE884481, BE408721, BF983315, BG117199, BE867529, BE883599, BG261272, BE547963, BE869321, BE781308, BE273912, BG120340, BE390408, BF701584, BE294796, BE254258, BE781562, BF572434, BE734910, BG166671, A1628151, BG107904, BE542491, BE513760, BF875036, BE899600, BE390388, BF573297, BF800744, AW576708, AW167495, BE737346, BG166882, BE537104, BF891446, BF691926, A1986317, BF032400, A1689319, BF978102, BE547697, BE311874, BF875033, BE251238, BF306345, AW474689, BE067396, A1818366, AA829547, A1890186, A1625627, AW406071, BF030190, AW602388, A1471529, BE729272, A1832672, A1264133, BE315337, AW602377, A1951259, A1453338, BF155219, AW194423, AV699660, A1742460, A1554203, BF735907, AW249669, BF103554, A1908534, BE926725, BF155217, BE841013, AW630280, A1908533, AA845523, BF435454, BE841086, A1890009, BG099267, BF954723, BF057338, BF155213, A1041493, AW963691, BF574098, BF993745, AW749056, AA808803, AW514103, BF241085, BE841074, BF154859, BF993068, AV697408, BF993051, BF687628, BF673244, BF993053, AA535205, A1347034, AW996038, A1802621, AA307884, BF448502, AA160676, BF880126, N78245, BG036223, A1309723, BF818130, AA127400, AA143616, BF993729, A1401183, A1040598, AW001929, BF993069, BE090182, AA325821, AA835782, A1149464, BF435381, A1418509, AA587859, AA471078, A1926581, BE709522, A1745057, A1085482, BF377218, N30249, BF829811, N89709, BF744782, A1285420, AW196928, AA429190, BF744790, A1457742, AA315417, A1083846, A1922030, AA228297, A1927340, AW852051, A1278800, AW007617, A1923978, AA682618, AA812310, A1208833, BF993737, BF842137, A1348213, BE737293, BF709835, W31768, AA932491, A1282881, BE081442, BF878066, N53008, AV710099, A1445220, BF876057, A1804562, BF741906, AW513811, AW874017, AA888890, AV744592, BF746098, AA535214, AA526237, A1735616, AW473285, AA394240, BE294297, BE841103, AW796137, AW796022, BF993736, BF876043, AA541276, A1201802, AW273423, BF800720, AW769141, BE910281, BE044038, BF154866, BE694358, AA467948, AA484779, BF724294, AW377401, AW406805, BE926713, W58457, BF673512, N51721, BF155208, </p>

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HIBC87	598	102383 7	1 - 1739	15 - 1753	<p>AL043219, AL528050, AW579882, AL528049, BF976767, BF337065, AW088366, AW953211, AA496850, BF525754, AW152013, BE672597, AW243555, BE779803, AI818186, H1775, AI653697, BE251084, R54236, AU160597, AU150608, BE208597, AA496891, AI871013, AA428540, AA349190, AW249598, BF350791, AI701503, BE502287, T18883, AI202674, AU151739, AU152190, AW732070, AI376266, BE265052, AW139928, AI299710, AI888510, BE206965, AI658535, AW341396, AA912087, BF224111, AA694485, AA432221,</p>

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HPCOM04	599	102400 0	1 - 1342	15 - 1356	

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HUCPU06	600	102406 9	1 - 595	15 - 609	AL522138, AI817797, BF591323, AI559256, BF056383, AW974310, W72957, AA811503, AA760845, AI089886, AI674666, BF434883, AI312117, AI671353, AI419476, AA812245, T48877, AW169965, BF112033, AI580681, AA721145, AI811882, AA765055, AA732428, AI864632, AW002193, AI424549, BE932108, BE932117, AA383587, BF589530, AW129622, T48878, W68575, AI401136, AW235778, AF083110, AL441883, and AK000355.
HPAME01	601	102433 2	1 - 1440	15 - 1454	AL040438, BE262712, AU123643, BE798924, AU143022, BG164610, BE787475, BE735652, BG254114, BF315064, BE548296, BG025483, AW043583, BF037500, AU148999, AW517244, AI017434, AI768112, AW965752, AA047010, BG057666, BE326718, BE840788, AI765202, AU152678, AA046839, BE886667, BE799653, BE873222, AI123786, BE206421, AI568134, W87554, AW007334, AW168272, W87458, AA039966, AI057398, AA649997, AI563942, AA039881, AW615376, AI702051, AI632460, R60577, AI382155, BG056987, BE884461, BF036417, W76508, AW102774, AI805104, T17221, AI582553, AI280130, AI521797, AI146735, BG055800, Z45024, AA029772, W71994, BE888112, H10997, R60630, R71392, AW590867, H06328, AW405412, T79990, AA865941, BE797440, H26530, H06281, AA310656, R72562, R46835, BE466122, R25837, BE671795, AW590690, BF059221, R53484, AI417500, BF437704, AA069571, BE463599, AA776517, AA069563, AW090661, AW771994, AI784405, R16372, AI078071, AA705373, AI245359, BE617310, AI624303, AA029771, AA379004, R32657, AI983105, Z40755, BE962199, BE729964, BG027348, AA057673, AA524160, R42317, AW105627, AI813991, BE617799, R53485, BF514051, AU125314, AI475001, BE562858, AA359216, AK025491, AL031447, AK001599, AF052158, AL109978, and AF086370.
HTTJS76	602	102447 2	1 - 3008	15 - 3022	AU118623, AL523820, AL520683, AL520684, AU123813, AU132757, BG261175, AU136445, BF035325, BE886876, BF791811, AU140005, BF577027, AI770169, AA534741, AI031962, AW264176, AI633666, AW960637, AU154227, AI400200, BF248362, BE543836, AU145138, AI128021, AA418100, BF337497, BF445849, AA418003, W92114, AV727247, BG169934, AI601276, AI271884, AW958009, AA603027, BF735235, AI128480, AI352141, AA989285,

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HCOR157	603	102455 6	1 - 1699	15 - 1713		

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HWLVR07	605	102491 5	1 - 830	15 - 844	

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HOPKF60	606	102504	1 - 1153	15 - 1167	AL522806, AL530716, AL524869, AL514554, AL522807, AL528660, BE744476, AL524868, BE795215, AL530715, AL523498, BE746558, BE515281, BE732657, BF026691, BE562270, BE794244, BE614715, BE796153, AL528995, BF342150, BE562318, BE795209, BE799700, BE792917, BE619480, BF312162, BE271742, BE793871, BE561217, BE797758, BF347395, BE729940, AL528659, BE792758, BE791304, BE737213, BG120307, BE619803, BF317146, BF338124, AW170427, BE797844, BE889282, BF975387, A1085365, BG250716, BE901025, BG025112, BE873025, BE615263, BG034888, BE792059, BG254776, BE546203, BE559492, BG032030, BE743855, BF036116, BE793590, BF686394, BG122718, BE902113, BG034948, BE781511, BF127707, BF526475, BE512980, BG120775, BF311006, BE731573, BE619277, BE270019, BF684500, AL680336, BE745659, BE743493, BF115664, BE280108, BG165341, BE280395, BF973317, BG178740, BE514708, AW170278, BE879370, AW163631, AA843221, BG030875, BE732891, BF975820, BE732780, BE883748, BF697912, BE295042, AW157317, BE903040, BE386716, BE272986, BE791688, BE875650, BE260624, BE794044, AW163373, BE561670, BE272733, BE396802, BF316171, BF317100, BG106562, BE883648, AA824336, BE256051, BE269078, A1192786, BF341436, AL528994, BE902919, BE260595, BG118678, BE788586, BE270049, BE302709, AW732756, BE619890, AA523285, AW246027, BE385288, BE396967, AA933089, BE674906, BE408276, BE408481, AW673443, BE268753, BE314775, BF308951, A1591067, AA779812, AA285564, A1073973, BE397633, BE383129, BG236109, BG167939, A1027987, BF692078, BF345293, AA512937, BE267414, A1992135, A1357176,

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HBDAD74	607	102510 2	1 - 1398	15 - 1412	<p>BE736801, BF969590, BF106136, AA625524, AU121352, BE897109, AA043108, AU145998, BF033072, AI936576, BF376388, AI801002, AU147185, BF439149, BG055473, AW269599, AW611722, AW952922, AW301615, BF197125, AI459912, AA926686, AW467409, BE077028, AA838345, AI093893, AA278828, AI659015, BF376386, AA838242, AW058479, AA487243, AA809385, BF091565, T03425, AV648362, D52837, AL043290, AA609681, AI250181, AA811075, AA772712, AW771863, AW090763, AU117211, AA731830, AA922247, F08952, T32447, H83659, AA731456, AA836501, Z30140, AA278826, D56794, AA099843, D57988, T99109, BF969193, N43955, BE220184, AI298948, BE784156, BF576720, D57308, T86662, AW341298, AA962369, AW935658, AA508234, AW402414, AB014566, and AK021890.</p>
HPCTY12	608	102523 1	1 - 1832	15 - 1846	<p>BE793649, BF971197, BE795708, BE263381, BE746308, BG110568, BE389356, BE797452, BE745259, BG257094, AW136364, BE294558, BE466733, BE514731, AW512259, AI333322, AA809127, BE300827, BF131512, BG258996, AW167047, AI283089, W87879, AW675811, AW418601, AU149253, AI802251, AI885862, AW181883, AW769136, AI969152, AW672754, AI825472, AI494276, AW379444, AW189438, AA115381, AI278255, BE768392, AA115380, AU125640, AW839959, AW058036, BF109114, BE535699, AW275265, AW731809, AI559688, AI283087, AI002252, BF031735, BE208171, AA679712, AW089758, AI696514, BE794062, AA853283, BE791318, AA853284, BF754628, T16124, BE074565, AI446312, BF361357, AI468188, BE464592, AW888974, AW373076, AI417732, AW386230, AW134955, AW386248, BF091908, AW373100, AW386251, BE514198, BE208475, AW372712, AW386250, AW386279, BF927794, AW372691, AW372725, BE314800, BE170974,</p>

HFASF12	609	102532 7	1 - 580	15 - 594	AW840009, BF361354, AW386246, AW793239, AW277013, AW386226, AW151342, AW382754, AW749244, AW383534, AI887884, AW372690, AW793182, AW383548, AW383633, BF310492, BF081796, AW372727, AW372711, AW386261, BE265396, BE397479, BF525638, BF664199, AF098162, AK022702, AK000721, and AB015597.
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HOVKE20	617	102599 0	1 - 2538	15 - 2552	<p>BE905238, AU137278, AW151135, AU128897, BE735158, BE884319, AW262132, BE384410, BF742797, AV710041, AW769142, AW517359, AW338005, AW373588, AW468740, AW024843, AU128495, BE619266, BE019213, AU151118, AI937477, BF690080, AU124139, AW241404, BE619730, BF331576, AI660064, BG114091, AA536151, AU152127, AU153751, BE963856, BE716089, BE716103, AW410145, BE905313, AI624934, BG122469, BF591733, AA614338, BE716050, BF212934, BF436427, BE091534, AW374908, BF690005, BE716084, BE619170, AW024853, AI056781, AW579072, AA316213, AI018651, AI885775, AA701904, BF769669, BE273759, AW072631, AW438832, BF090279, AA718962, AW068084, AA693953, BF997218, AI139494, AI660421, BF997182, BF888379, BF770032, AA664290, BE716120, BF770040, AA522683, BF918375, T66125, AA972193, BF695272, AA862983, AA428398, AL046516, BF381340, AA504220, AA748129, AW136037, AI348174, BF769655, AV684332, AA442961, AA459911, AA497104, BF930962, BF923552, BE716094, AA161216, AI873944, W87301, AI372983, BF770037, BE900847, AI828291, AA045068, AI056779, AA100277, AW068172, AW516076, AI244381, AI286345, BF907203, BF770006, N63176, BF985698, BF923559, AA350408, BF888406, BF769993, AI352530, AA081089, BF091975, BF769671, R52005, AA431627, AU158647, AA100326, AA368310, BE004008, BF349060, AA496940, AI125481, AA578753, BE812515, AA350409, AW190017, BF768918, AW410891, BF155861, AA398870, BF764594, BF771908, AA923654, R52006, BF357204, AA435899, R71767, BE871607, AA393437, BE693936, AI032221, R71806, BE076619, AA563608, BF155867, AA081247, T35217, AW884241, BF764597, BE167977, R69972, AA985512, AW749731, BE812695, AA431341, BF769721, BF903475, T53979, AI357799, BG024346, AI445967, AV688441, T80019, AA356434, AW965639, AA922349, BF763097, AI379785, R38747, R48216, AA578094, BE693932, AW375234, AA159119, AI355212, AA045450, T05136, AA367245, BF088681, BE929085, AW375279, C21399, AA143624, BF830391, BE964246, AA625473, T80321, AW796532, AI452574, AA353270, BF377656, R15479, AA983169, BF889342, R48217, BE148770, BF475528, R69973, AI024745, AA969907, BE841884, AA383452, AA962116, BF091778, AW351601, AA292992, W87438, AW371479, T09121, AI907921, BE151944, AW600910, T07116, BF368764, BE151933, AA370080, AW371469, AW391874, AK025149, AF055010, AL049972, AB007931, AK022924, AK023826, AK022573, AK001233, AK026543, AL137127, A75151, T53282, R38966, AA421365, AA426283, AA730384, AA096085, AA432014, Z21055, AI923342, AW089994, and AW263361.</p> <p>AL530585, AL530586, BE905291, BG250173, AV704437, BE273888, AI742702, AI332375, AW965981, BE733696, BE279265, AI653228, AI823770, AI744071, AA421552, BG165821, BF850738, AI935219, AI089481, AW025353, AI860928, AW024596, N32892, AI803496, N75101, BE207042, AA552990, AI082854, AW675170, AW262745, AW732799, AI128345, AW615487, BF593160, AW467397, AV704688, BG150549, AI089227, AA227791, N52331,</p>
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HODGH47	618	102613 9	1 - 2096	15 - 2110	AV714319, BE245435, BF085080, BE883963, BE315412, T67179, BE731249, BE732012, AW501306, BE077539, AC007041, AF315591, and AF315590.
HODBK27	619	102637 2	1 - 871	15 - 885	AI949324, AI741823, AI936022, AI521629, AI831928, AI972082, AI653975, AI814061, AA910962, AI811709, AW025174, AW806878, AV701632, AA731734, AI862610, AA873562, AA195939, AA421230, AA187668, AW572118, BE350701, AI979136, AA846807, AA034130, AI025114, BE464579, AA947329, AV716043, AA700178, AA039676, AW590977, AI004713, AI889534, AA173931, AI817532, AW130669, AA554142, AA025463, AI753419, W76541, AA947549, AI811560, AI620263, AA009979, AA923500, AA731843, BG179192, AA482908, AA723321, AW023989, AA009980, AA056428, N79453, BE540962, W74316, AI630489, N22616, AA313112, AA968641, AI362535, AW391946, AV703316, AW389675, AA508074, BF197789, AA923028, AI262937, AW515512, AI347796, AW386921, AW392064, BE326822, BE162244, AI440446, BE162241, AV756239, AW392091, AW675605, AA477452, AW601973, BF216423, AW006885, F03610, AA477578, AW043887, AW866509, AA334983, R38720, AI865307, AI689187, AA313113, AW803685, AW271368, AI203830, AA505748, N63156, N28919, AI038034, AA025462, AW392164, AI370254, AW002736, AW392182, BF890740, AW083663, D12030, AA370115, AI745442, AA311321, N23815, AI289078, AI074527, BF673031, AA022500, AA074248, BE882680, BE783374, AI082722, BF985227, BG112403, BE825572, BE765224, BE766662, AA026883, BE708355, BE185094, AA421229, BE939600, BE764981, BG055150, AA730850, N63214, AI869433, AA262825, AW024035, AI074531, BF672955, AW362308, AI814134, AW948438, AW362258, BF571408, AA279008, AW373179, T82703, BF754687, W79250, AI174532, BF357809, C15105, AW960469, AW958927, R29652, AF070540, AF054284, AL137410, AF130099, AX013757, and AR018138.
HE8CH59	620	102680 5	1 - 3000	15 - 3014	AL521879, AL528488, AL528519, AL533556, BE277263, AL521249, BF969645, BE796292, BF339523, AV688166, BE384607, BE793205, BE799022, BF341655, BE792421, BE793076, BE179035, AU120222, BF686701, BF343123, AI912668, BF516065, BE255283, BF514039,

HSKGR52	621	102691 1	1 - 943	15 - 957	<p>AW369765, BF125290, BG109686, AL521880, AW749444, AW890360, AW027308, AI744735, AA843214, BF086451, BE266357, BF686773, AI077454, BE143941, AI743608, AW304450, BF339027, AW513087, AA621718, AW386240, BF983934, BE383983, BE018266, AU146348, BE384664, BE254123, AW129550, AW449867, AA143197, AW837830, AA613804, AW050490, AI695078, AI694936, AA774860, BE138732, AI334115, AI049518, BE179217, BF768970, AW780317, AI858366, AI858321, BF768780, BG014718, AW162941, BF568296, BF768915, AW898149, AI810340, AA143213, BE049621, AA84689, N29757, AV684691, AW373527, BF781773, BE179220, BE179215, BF768957, BF836601, BE164521, AW193381, H24669, AA730774, AW001661, BF224277, BF768983, AA317465, AI983366, BE263438, AW386262, AA055927, BF923565, AI185430, BE696846, AI679113, T91335, AW371788, AI351908, AI866147, AI679689, BF882409, W95695, BE142633, AW813330, H24668, AA352322, BE171435, BE171438, C21369, AW386257, AI241828, BF931704, AA055330, AI570098, BF768985, BF768912, BF769720, BF375783, AW935622, BF923553, BF094092, BF923560, AI827249, BE503767, BF992146, AW196478, BF826553, BF344463, AW821082, BF928669, BF896163, BE173354, BE154169, BF769705, Z69890, AY005111, AJ404326, AK001093, Z69706, Z84716, and Z56078.</p> <p>BG026286, BE729382, BE563873, BE409361, BE392296, BE669943, BE218622, BF000652, BF433096, BE465008, BF057153, BE504280, AW027774, AI675461, AI620226, BF591621, BF510496, AI652839, BF433368, AI291296, AI809638, AI400625, AI423961, AI092358, AI681604, AW242346, AA846296, AA846276, AW410676, AI261659, AI085293, AI763186, BE504486, AI867792, AW872376, AA505813, AA962236, AI689885, BF939912, AI279838, AW243337, AI872951, AI077828, AI205630, AI936344, AA505678, AA304442, AI827344, AI301986, AI472586, AW999384, AI698391, BF032768, BF814449, BF895953, AA427700, AV755581, AI280661, AI687127, AI889168, AI677797, BF528433, AL037558, BF340323, AW827289, AI358701, AI690813, BF343241, BE964614, AV682875, BF812960, BF343172, AW129106, AI568138, AL042382, BF970449, AI582912, AW265004, AI254727, AI537617, AW083750, AI277008, BG029008, AW019985, AI365256, BG180273, AL037582, BG105895, AV681731, AW673679, AW169604, AA437338, AL037602, AV729953, AL110306, BG029829, BE769091, AI669639, BE876049, AI929108, BF873239, AI872148, AV735353, BF752858, AI624693, AI802240, AW167918, AI089970, BF751347, AI961589, AL119863, AI359787, BE962727, BF886214, AW082532, AI537677, BF792961, AW583714, AI950664, BE965121, AI335426, AI348777, AV709390, AV703585, AI249946, AL038529, BF909758, AA470523, AI591228, AI570966, AI514717, BF868489, AW827206, BG034550, AL119791, BE878989, BG107847, AL040241, AI273843, AI758528, AW081866, AV755459, AW083573, AW827285, BG113299, BF970652, BF037484, AW051059, AI670009, BF814450, AI433157, AI702073, AW161579, AI567582, BF812961, AI270183, AI521095, AW023338, AI612759, BF036115, AI889189, BG250213, AI288285, AI633125, AI570861, BE895585, BF871314,</p>
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2132

HMUAQ05	622	102691 3	1 - 1600	15 - 1614	AL359601, AF130099, M27260, AL117457, I09499, AJ003118, AF146568, E01614, E13364, AF081197, AF081195, AF230496, A18788, AK027096, AB050510, AF225424, AF116654, AF130105, AK027164, AK026647, AB050431, AF254119, AB047904, AX027129, AL133014, X72889, AK027116, A21103, AF116691, AF094850, AF126247, AK026894, AR038969, and AF130075.
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HCOMA45	623	102697 9	1 - 606	15 - 620	BG120722, AU119018, BF978867, BE889331, W27132, AU153520, BG113292, AW009216, BF247311, BF184156, AI630279, BE734748, AA766615, BE739013, AK001549, and AJ296153.
HE2KI45	624	102700 7	1 - 3373	15 - 3387	AL536336, AL536335, AL523966, AL530021, AL530022, AU117518, AU117962, BE747075, AU134825, BF683999, AU130396, BF000235, BE746436, AU126073, AI621215, BG118397, BG116482, AU139709, BG114753, BE612958, AV681825, AW957859, AU137383, BE742555, BE697596, AW975830, BF034198, AW957782, BG251258, BE896710, AW957937, AW813051, BE697644, BE545203, BF977953, AW271555, BG259991, BG116851, AW957783, BE697638, AV691847, AI629012, AA308190, BF056635, AI950251, BE505024, AW271945, AU152320, BF375062, BF907621, BF907553, AU152599, BF907535, AI768899, AU144646, AI300924, BE697633, AI697765, AU150350, AU154067, BF907622, BE707571, BE697643, AI560075, AW014744, AA313132, AA703214, AU151943, AI564193, AI581089, BF381320, BE858805, AL135260, AU152784, AW338106, AA505767, AI418227, BE502116, AI640554, BE350804, BE697786, BF907545, AU156569, AI767988, AI625041, AI561182, AI140164, AI811500, AI858461, BF907552, AI887429, BE539679, AU144327, AW014169, AI909320, AI152389, AI382104, AA603342, AA888065, BE178682, AI765224, BF335705, BF907547, BF907537, AI968568, AU151554, AI357213, BF381312, AI289596, N42240, AI478340, BF096000, BE746411, AA211092, BE178045, AW793648, AI244198, BF381062, BF753598, AW969744, AA455615, BF448461, BE177876, AA487115, N46990,

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HODDO66	625	102720 7	1 - 1299	15 - 1313	<p>AW149836, AV724235, BE161927, BE795004, AW364505, AW138803, AU137429, BE799764, BE300282, AU125467, BE932164, BE786074, BE882532, AI217476, BE294947, AA070029, BE931550, AA191715, BE931549, AI655979, BG254021, BG117060, F07456, BE255593, BF351838, AL039921, BE886862, BE884446, BE547035, BE889046, BF035323, AI000877, RI9564, AU124210, BF345149, F07982, W27954, AA853040, BF345081, BF982641, BE747949, BE612626, BE171987, AV749615, BF893610, AA853928, N86091, BE815909, BE836228, BE836225, BE901389, BE880310, BG026309, BE836276, BG259859, BF057135, AI609376, BE836341, BE711453, BE770291, BF573646, BE770388, BE784042, AW135540, AV692147, BE161946, BE770253, BF768674, AA095377, BG253296, BG106774, BG150448, BF374787, T04998, BE836332, BF735397, BF735624, AA089440, BE619425, BE836369, T11680, BE815921, AW403333, AW388404, BE301162, BF768681, BF735716, BE162677, BE709428, AA603744, AI983648, N56195, AA324509, AA099123, BE160000, BF105891, BE547010, N48490, AA366706, BF760099, N94256, BF677619, N83721, BE301157, AB000717, L43509, J05571, and X68836.</p>
HVVAT45	626	102726 9	1 - 3773	15 - 3787	<p>AL521709, AU139605, AU139786, AU133158, AV15927, BE335428, AV707854, BE882531, AI433464, BE302408, BE220521, AW612477, BG122886, BF593222, AI186034, AA480343, AI082537, AW189879, BE002782, BF675617, BE002805, AU143997, AI745058, AI379721, AA001791, AW118778, AU149758, AA001870, AI190938, AA017469, AI810133, AI580107, BF061454, AA017470, N75111, AW573126, BG119005, AA496528, AI361074, AU155671,</p>

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HVCAG18	627	102748 4	1 - 608	15 - 622	BE393771, AI491895, AI972158, BF035171, AI683354, AI634702, AW003747, BE394824, BE208245, BE674284, AW166518, BE394667, AA477548, AI204509, AA433859, BF223547, AA075256, AI459028, AA704365, AW170346, AA719455, BE898899, AI683449, AA293804, AA722190, AA394184, BF061263, AA010660, AI972816, AV705972, AA534766, BE382381, AI800229, AW054677, AA075515, AA291675, AW517880, AI269897, AA025902, AW105621, AA496562, AI131418, AA477665, AA293236, AA972922, AA688358, AA405299, AA603048, AA555137, AI206090, AA452084, AA432228, AI352215, AA327201, AA563656, AA078977, AA451904, AA628896, AI128837, AA010659, AW510341, AI683140, AA025750, AI859472, AW102571, AA477050, AW189037, BF111273, AI680769, AW512687, AI298658, AW193875, AA496431, H50634, AA936665, W67669, BF446212, AA292518, BG150710, AA428593, F02471, AW749395, AA385354, BF877343, W67668, BF876769, AI955963, AI932457, AA477179, BF750539, H50635, AI609687, BF883518, AA335459, BF877245, AA287213, AI540421, AI087799, AA507349, AA284324, AW189604, AW772554, AA506658, AA476938, BE811673, BE694854, AA290981, AA969241, AI685657, AA385556, BE811545, BE811507, AA406009, AW088425, AA477670, AA402537, BE001672, BE746798, AA477553, BE931271, AW779288, BF184297, AA477157, AA290980, F02231, AW467094, AA079060, AA402896, AW207468, AA401329, T28367, AI521428, BE515017, BE001677, BE001587, AA908550, AA403038, AA411029, AA411533, AI963250, BE816517, AI130774, AA402928, AW754236, AA480517, AW995301, AA479786, AA908619, H53726, AX014329, AI8924, AI031663, and AF314058.
HPTXK72	628	102748 6	1 - 990	15 - 1004	BE393771, AI491895, AI972158, BF035171, AI683354, AI634702, AW003747, BE394824, BE208245, BE674284, BE394667, AW166518, AA477548, AI204509, AA433859, BF223547,

AA075256, AI459028, AA293804, AA704365, AW170346, AA719455, BE898899, AI683449, AA722190, BF061263, AI972816, AV705972, AA394184, AI800229, AW054677, AA075515, AA010660, AA534766, AJ291675, BE382381, AA293236, AW517880, AW105621, AI131418, AA972922, AI269897, AA496562, AA477665, AA688358, AA025902, AA555137, AI206090, AA405299, AI352215, AA563656, AA451904, AA452084, AA432228, AA603048, AA628896, AV704660, AI128837, AA327201, AA477050, AA078977, AW189037, AW510341, AI683140, AI859472, AV705443, AW102571, AV703972, AA010659, AV725088, BF111273, AI680769, AW512687, AI298658, AV703342, AW193875, AV703456, AV702222, AA496431, AV658362, H50634, AA025750, W67669, BF46212, AV707155, AA936665, AV653845, AV729242, AV709932, AV727238, AA292518, AA385354, BF877343, AA428593, AV707770, AV704481, AV725047, AI525556, AV706394, AW749395, BF750539, AV703137, AI609687, AV705447, F02471, W67668, AV701953, BF876769, AV703284, BG150710, AV707556, AV698270, BF877245, AA335459, AV725991, AA477179, AV701914, AV709222, AV727272, AV745940, H50635, AV703030, AI932457, AV702486, AI955963, AV706075, AV728652, AV703913, AA287213, AV706425, AV707658, AV701614, AV705525, AV727204, AV651075, AV711901, BF883518, AV728523, AV701471, AV726699, AV645540, AV703783, AV702315, AI087799, AV686417, AV661838, AV706655, AV701320, AV753729, AV727314, AV725074, AV694871, AV728471, AV725090, AV702343, AV703213, AV728309, AV753856, AA284324, AV728185, AV738340, AV727126, AV706910, AV683285, AV694787, AV658332, AV727984, AW772554, AV727562, AV729017, AV729366, AV708069, AA506658, AV702696, AV726532, AV705189, AA476938, AV725154, AV702163, AV704307, AV706964, AV706925, AV697350, AV704834, AV687342, AV702322, AV709886, AV754068, AV727047, AV726743, AV727929, AV727468, AV701844, AV707828, AA507349, AV759156, AV728436, AV746010, AV705684, AV707648, AV707238, AV725380, AV701643, AV702868, AV727954, AV704897, AV709040, AV703591, AV704879, AV729376, AV703989, AV645836, BE811673, AV701730, AV725920, AV729220, AV703940, AV708320, AV645575, AV729255, AV702787, AV725099, AV703980, BE694854, AV705234, AV728715, AV656240, AV704955, AV709935, AV703417, AV728874, AV702721, AV726761, AI540421, AV685688, AV687176, AW189604, AV709733, AV652156, AV704973, AV703542, AV726248, AV707822, AV701728, AV727052, AV701985, AV701875, AV760359, AV726783, AV691891, AX014329, AI8924, AI031663, AF314058, AX020190, AR088705, AR079804, AR017907, AR091393, AR038855, I13349, AX026824, I18895, AX008555, AX009712, X81969, AX035980, A91965, AR062871, A25909, A85395, A85476, I44681, I66485, I66487, AX028305, AX035462, AX009487, AJ244004, AJ244005, AR062872, AJ244007, AR062873, AX001322, AX026823, AJ244003, AX006816, D78345, Y16359, AX006826, AX001082, A20702, A20700, AX032758, A43189, A43188,				
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HHSGW78	629	102840 5	1 - 495	15 - 509	AI040010, AI300866, AA682391, BF109228, N29566, BG231154, AI129244, AV741891, AA761892, AI085911, AA708606, AI347228, AW016268, AI125595, W46147, AI086773, AI090828, AA846190, W49679, BF109594, AI126838, W48662, AA149081, AI343789, AI601178, AA782846, AW965184, AW965196, AA428595, AI129248, AA740563, AA554542, AI338248, W80680, AI025221, AA677392, AI190899, W94099, AI001139, AA683514, BF436689, AI589088, AI244460, N95164, AA907886, AI077390, AA063581, AA526582, H98767, AA729878, AI032677, W49848, AI144405, AA494307, N35698, AA041457, BG076470, AA916799, AA613024, BE792146, AI269011, AA902613, AW025516, AI131435, C21125, AA889491, T60457, AA845442, BE789615, BG170408, AI248145, AW874239, AA055102, AW024412, AI189372, BE312637, AA512949, AI565196, AW016193, AI918116, W84416, BF448735, BF124923, BE769708, AW496831, AA700243, N80608, BE883556,

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HDTLR06	630	102919 1	1 - 2646	15 - 2660	<p>BE880150, AV714766, AL037752, BG249115, BE869900, BF970612, AV716522, BF981298, BF670705, AI807631, AW959676, AA479519, BF699048, BF240530, BF028284, BG112682, BF103751, AI433776, AI085610, BG105696, BF221532, AA479522, BF815176, AV700038, AI979032, AA149078, BF979245, AA868892, BE064495, BF576484, BE779262, AA085763, BE549144, AI888699, AW368466, BF211956, BG231196, AI274793, AI302738, AI685714, BF248036, AW025865, AW510744, AA868627, AW631467, BF757093, BG056635, AA131509, AI566328, BF887743, AA411937, AA099324, AW008987, AA128370, AA101862, AI034130, AA505082, AW474020, AW512897, AA131278, AW801804, BF763378, AI420344, AI707791, AI289004, AA827737, AI307391, AA603153, AI278872, AI088381, AA149079, AW816611, AW768937, AI911177, AI085852, H03698, AI027366, AA993335, AI003565, AI088373, AA194832, AA883469, BE968701, AW025874, N34932, AA411978, H84364, AA709465, AI026993, AW380728, BE004195, AA075705, AA687743, AA708422, AA600355, BF802610, AA505085, AI086107, AA458999, AI038736, H04299, AA069442, AW959683, AI287268, AA346920, AA459218, BF801763, AA558206, D79676, H03699, AA280229, R56481, BE694195, AA468345, AI581421, AA468915, BF801764, AA032256, AI242820, AA743438, R62743, AI690209, AA373919, AI000242, AA102069, H03200, AA411789, R63384, AI537127, AI934536, AA099859, AA993326, AA285277, AA411777, Z21244, R78175, AA508503, X85612, BE165918, AI695567, N43994, AI557451, R81943, H03997, R49722, AA075695, AA468992, H01646, R63438, H03016, AA371111, AA826547, BF735612, BE670784, AI866416, BE005572, AI088382, AA371158, R77810, BE931779, AA296627, R38119, AA298094, T49048, Z21319, AA033629, R38033, BF515977, AA069469, Z21218, T49049, AA092678, AW472736, R26423, Z21382, AA468153, AA090508, AA743841, BE005593, BF804374, BF919743, AW889236, H84365, Z21243, AW611875, AI914841, AI687818, AW858525, AW877209, AL134524, AW968355, AL119324, AW971745, AL119457, AI432644, AW858526, AW861944, AI623302, AX017997, AX017856, AX030435, Y17793, AR066494, AR080280, AI251859, AF019249, AB026436, AX030436, AX046357, AI279014, AR060234, AR071207, AL133049, AL133074, AL133053, AL133076, AF064854,</p>

HPAMG11	631	102948 4	1 - 1315	15 - 1329	AL122101, AR054110, A81671, AL133068, and AR069079. BE747185, BF027619, BF036217, BE898878, BE879303, BF345805, BE876986, BE745122, BE742819, BE875019, AL536934, BF570276, BE875960, BF984370, BE892090, AW081666, AI832707, BE745781, AV694521, BE315072, AW250016, AW954141, AW150364, BE207659, AW957004, AU148920, AI799718, AW249413, AU148744, AA426216, AI745234, AI951260, AA448227, AI920826, BE732315, AA434128, AW150130, AI954474, AA303085, AI955179, BF314962, AI002573, AW316690, BE898908, BF032262, AW768741, AW129675, AW190199, AI673189, AI905251, W45131, AI633410, AW733124, BF961569, AI028405, AI676122, R55621, BF033609, AW275855, AW014416, AW193391, AA888952, AA434063, AI538224, AA088197, AA535520, AW150121, W79830, BE907265, AA894775, AI684012, R43171, AW008535, BF095212, Z39285, R71396, AI014759, W67259, BF195242, AA679644, AV709538, AA448370, BF969186, AI824709, AI032483, AU157353, AA399042, H92688, W48653, T56564, AA303084, W67405, AI598209, F10851, AA543080, AI613024, H78325, W45090, AA812293, AI927856, H78326, BE085568, AV726722, R70181, BF989514, BE093115, AI970979, BF569413, AI732820, BF033608, AV727483, AI827432, BF877350, BE275903, BE879983, BF822159, AI732766, AA385233, T62619, AW611752, T87085, AI800683, AA456124, BF091176, AA430681, AA397699, AA425986, BE799738, F31113, AA291586, AA421299, S82470, and AF211969.
HSDJR27	632	103087 0	1 - 1783	15 - 1797	AW005629, BG250786, AW167264, AW514301, BF972677, AI978666, BE042945, BG030936, AI653352, AW245141, AW473620, AW952847, AW381277, AW084624, BE613692, BG231579, AI868951, AW381279, BE697890, AI114471, AW008764, AW418543, BE697876, AW513047, AI148331, AA456251, AW316794, AW149142, AW381280, AI598035, AI143936, AA211485, AI278540, AA579574, AI566968, AA425564, AW150911, AU144458, AI051837, AI018216, AI826388, AA454639, AW510391, AI307182, AI289622, AI078750, AW515371, AI091088, AA568661, AA604128, AA890006, AV718198, AW008757, AA776519, AI025370, AA988529, AV724654, BE855631, AA425359, AV724468, AA129320, AA565823, AA767424, AI188982, T62521, AW139907, AI948620, AA031319, AW952485, H49462, H97012, AW381263, AW627376, AA132361, AV702030, AI369641, AA910241, AI670733, BE703259, AI283644, BE221734, BF197353, AA748475, AA132360, BE841619, BG015801, AI684010, H49463, AI279767, BF433941, AA807987, T87152, AA129383, T03321, AV653714, AI809410, AW192634, AI380647, AA341266, H84690, AA827171, AW295873, AI382754, H75949, F22114, AA932513, BE677881, R02581, T31504, Z42997, Z39713, BE904223, N59136, T89930, AI379281, AW979047, AW383774, F02474, T23701, AA830719, AW606262, AW381575, T87057, BF841083, AW383777, AW383735, BF837368, AA322268, AI634197, AI254734, T16695, BF841582, BF841536, AW884300, AW383750, BF082720, AI380926, N77574, AI473328, AW383744, AW197718, BF842440, AA576177, R35638, F13769, BG015805, R27657, BE938517, AW372004, AW014878, AA777966,

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HOCPL33	633	103087 1	1 - 2171	15 - 2185	AC005870, AC002482, AL031133, AC007237, AL117338, AC007385, and AC005053. BF725593, BF344577, AA291892, AI093722, N35995, N21491, AA493711, T57002, AA650030, F09835, AW953246, AA573152, AA541730, T80464, D31115, BG059601, AA350448, Z25379, AI393498, R39024, R42314, AA865667, N44238, AI088818, BG054755, F08817, AI970892, AW139210, AW338984, AW449202, AI418641, AA729145, T66221, AI910796, T93953, T94411, BF507381, AA350447, BE163296, AW081029, AI208336, AI624663, R16370, AI242755, BF437813, AW905871, T93903, AI906851, F11146, AA507190, AI696468, AV699193, BE245956, AA648118, AL514793, AL513961, AL514731, AL515341, AI513971, F13451, AL514717, AI589450, AI745505, AW016789, AC005551, AJ277264, AL121656, AR089157, AC018514, AF243527, AC008018, AC006115, AL355815, AP001605, AL133240, AC006989, AL031846, AC010412, AE000665, U72620, AL022238, AP001688, AC084392, AL078630, AC005544, AC003689, AC010311, AC005736, AP000252, AP001699, AC007655, AL034549, AC005274, AC016656, AC026431, AL137060, AC069019, AC011484, AF003626, AC004900, AP000134, AP000212, AC010267, AC004659, Z84474, AC003670, Z98049, AP001707, AF050157, AL031228, Z98946, AC013458, AC005082, AC006075, AC008738, AL031390, AC006336, AC010582, AC005944, AL356321, AL355485, AC020947, AC010723, AC004846, AC005725, AP001711, AC007021, AL035658, AL163279, AC021868, AL035668, AL137145, AC009756, AC025167, AL132795, AB003151, AP001705, AL133353, AF314058, AC079603, AC005859, AP001412, AC004685, AL359272, AC019209, AC007907, AL109800, AC004903, AC004161, AC007981, AC005259, AC008394, AC006994, AC007115, AC008887, AL033378, AC011198, AF227510, AL162414, AP001714, AC003060, AC007993, AL133238, AL121890, AC008102, AL139114, AP001726, AC005181, AL109925, AF289667, AL034351, AP000152, AC012309, AL139327, AL136218, AL031224, AC008482, AC015540, AC005742, AP001724, AC006530, AC005370, AL118520, U85198, AC012351, AC017100, AC005914, AL031663, AP000402, AL157903, AF111102, AC006972, AL162455, AC005682, AF053356, AC016620, AC006944, AC027689, AL117186, AC007325, AC005839, AC016831, AF001905, AL109928, AC006004, AC006333, Z84487, AF152363, AC007263, AC016898, AP002532, AC009976, AL050348, AC007748, AL117350, AL035466, AC008747, AL137839, AC004911, AC004808, AL391995, AC017037, AL138725, AC010141, AC007966, AC064878, AL158040, AC021642, AP001717, AC084429, AF125314, AC026881, AP002530, AC005817, AC012526, AC005290, AL008720, AC019173, AC005522, AC011453, AC007226, AL050341, AP000272, AP001691, AC008626, AL008723, AC006151, AL139353, AC007510, AL031054, AC010874, AP001727, AL163207, AL163206, AC007656, AC009169, AL133215, AL163248, AE000664, AC011470, AJ010688, AL021127, AL355532, AC083871, AL031121, AP001728, AC004815, AL132777, AC002553, AL121852, AL049874, AL160231, AL139008, and AL159980.
HPCQN80	634	103096	1 - 2743	15 - 2757	AUI25281, AI341671, AI205964, AUI25275, AI911769, BG252896, AI378791, AI031802,

3				<p>BE672902, BF001953, AL038594, BF980802, AU138919, BE891177, BF970173, AW051484, BG250318, BE280981, BE693756, AW362262, BE786824, AW511114, BG113568, BF964615, AA099021, BE904266, BG035645, BF238740, BE536646, BG114756, AW190346, BG113181, AW362861, AW262049, AI263923, BE542722, BF977300, AA610026, AW664463, AI986151, AW360910, AL042274, AI986159, AI22324, AI041639, BF033891, AW338310, BF349988, AI684102, BE701144, AA954206, AI279796, BF594374, AI823866, AA456560, AA436242, AI752275, AW027296, N66002, BF968980, AI401327, AI752356, AU148968, AA235144, AA436919, AL038595, AW105399, AI272955, AI308097, AI539266, AA436243, AA430381, BE838204, AA865506, AI752058, AA972055, AW015391, AA430734, AW268147, AA494424, AA653605, BE818621, AW591117, BE719146, BE838697, N24583, AI701154, BE220373, N95114, BE672172, AI752276, AI801614, AW369379, BF132446, AI752386, BE838699, AA912058, AI750729, AA099099, AA018538, BE838698, BE931347, BF732554, AA659106, BE771906, AA234745, AA478821, BG258794, AW068079, H24829, BF803584, BE899243, AA912162, W25171, BG056980, BG121984, BE932583, AW262918, BF797326, AA346940, AI247522, BG024573, AA628028, AW364305, AI262971, AA625407, AW362150, AI752059, AA576262, BE048271, AW300619, BE838691, H73800, AW016410, AI829861, AI910850, H73787, AA018539, AI681474, AA991165, AI036588, AW673447, AI205671, AI247899, AW364245, AI695237, BE962024, BE897497, AW511522, T89755, AW275459, H89288, AI758343, AV696759, H82662, N95452, AA514818, AI264787, BE838701, AA459675, BE838710, N91004, AW889556, BE869969, AA459797, H89287, T83120, Z28550, AI804910, T73910, AA682987, AW262976, AA598583, AA324634, BE838688, T89397, AW390276, AA876901, AW845090, AA346941, N33730, BE549598, T73942, AA324179, H19255, AI867212, AW376643, AW376802, AW848197, AW848552, AW675770, BF918373, AL134190, AW376632, AI284739, AI769735, BF331292, W20133, AW376583, AA295317, AA970370, BE719069, T30544, AW855261, AA935880, BF034494, BE838694, D38549, AF072697, AF160973, AL161999, AL136549, AB032994, AB050254, L47738, AK024816, AL357618, A74762, N53981, AA935058, AA095975, Z20384, AI034347, and AI537324.</p>
635	103107	1 - 1927	15 - 1941	<p>BE612881, AV681739, N36809, AW967677, AI819225, AI689062, AI741346, AI872193, AA282915, AW102898, AW971573, AW629970, AI950344, AW967671, AI683338, AI858509, BF589902, AI950087, AW173586, AA283144, AW150329, AW205862, AI763273, AI890387, AI653832, N70208, AI762688, AA988777, AI821380, AA488892, AA908741, AI633006, AA044209, AA293273, AI356394, AW072629, AI308119, AA251874, AI373032, AA969759, AI539642, AI564269, W01059, AW513996, AA972584, AA642789, AI251473, AW512843, AW505512, AW103813, BF886630, AW513601, AW467940, AA251875, BF993945, R97278, BF819530, AA488964, AI821346, AW276997, BF195374, AW959581, N46026, N50134, H60052, H83488, AA300207, T91721, N75628, N35320, BF196759, AI745010, AI961530, H59397, N22388, R97040, AA908598, AI002839, AA847038, AA856975, AA382351,</p>
HODE122	6			

	636	103108	1 - 890	15 - 904	AA251669, W37181, BF998263, BF998265, F00531, BF997959, AW276905, AA383118, F00049, R83287, AA337499, AA286854, AA908470, AA180009, R69682, T81601, T85904, W87891, R69594, R07850, D84394, AP000509, AC083862, AC009542, AC009330, AC004185, AC006047, Z97876, AL158167, AL080317, AC010877, AL357654, AC005406, AC010598, AC008554, Z98750, AF058907, AC018728, AC004707, AL356421, AC011494, Z97054, AC008739, AL132982, AF196971, AC007319, AC011895, AC018694, AC002485, AL445258, AR036572, U91328, AC012068, AC005908, AC007029, Z83820, AC015550, AL356020, AC022027, AC004985, AC003093, AC010521, AC004055, AC009505, AC008995, AL030998, AC003983, AC020633, AC022150, AP001748, AP001630, AC011604, AC016941, AC005574, AL353678, AL121947, AL389889, AJ239329, AC003082, AC004617, AC011477, AC009289, AC012601, AB003151, AP001725, AP000689, AP000688, AL390836, AL049830, AC078899, AL050332, AL035410, AC073539, AC019187, AL122001, AL160234, AC018676, AC006023, AL078475, AL163203, AL096868, AC005023, AC013735, AL359218, AL049697, AC008265, AC025593, AL118502, AL138680, AC010183, AC066593, AC013412, AC007683, AL109933, AC008760, AL021026, AC008463, AC004691, AL121887, Z84514, Z83839, AC002059, AC006147, AP001714, AP000277, AC008752, AC011749, AP000037, AP000105, AJ271736, and AL022147.
HODFZ16	637	103108 5	1 - 890	15 - 904	AU142662, AU122434, BF313104, AW296716, BE082138, C17206, AA825641, H65334, AA807120, BF948913, BF954989, BF962641, BF935143, AW274870, H65533, BG014436, AL038842, AW513789, AL038841, AA991899, AW858064, AI921765, H29930, AW502949, AW150209, AW080073, AI123933, AI123922, AU144023, AU144129, BF871412, AI902170, AC007956, L40400, AB033168, AL133492, AL163303, AC012384, AL109825, AC020728, AL117186, Z82253, AC005323, AC005412, AC079603, AC008745, AC004408, AC025226, AL163246, AC010201, Z70272, and AC005619.
HWGAE28	637	103131 6	1 - 2498	15 - 2512	AL532884, AL536010, AU119158, AL532831, AU137754, BE745500, AW007660, BE275049, AU136309, BG252544, BG030152, BF969187, BE784443, BE794719, BF968474, BE783084, BE781638, BE253809, BE899520, BE778167, BE256714, BF526973, BE546562, BG259152, BE778011, AW614628, BE891232, BE731724, BE747256, BE782053, BE784115, BG250699, BE745177, BE902036, BE777819, AU137978, AI066745, BE782043, BF980330, AA573220, AW662390, AU127382, BE301322, BG120424, BG024926, AW239481, AU127941, AI091268, BE779025, AW150072, BE256841, BG056400, BE904709, BE870649, BE258984, BF573556, BF696389, AW780335, BF973777, BE256053, BE781356, BE221362, AW247473, BE782729, BE258556, BG259237, BF131364, BE259358, BF691584, BE254655, BF667102, AW247336, BF977152, AW770805, BF969017, AV689827, BE958151, BF701767, BF698305, BG109265, AU150320, BE388447, BE546560, BF571551, AI568796, BF029871, BF977578, AU127305, BE250863, AI718794, AI690695, BE253419, BE257509, AW073196, AI624284, BE254374, AU126969, AI859836, BF698313, AW196988, BF031160, BE781097, BE254505,

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HOFNZ21	638	103132 8	1 - 444	15 - 458	BF686413, AA172312, BE280965, BF027045, AW732580, AW245781, AW245685, AI922686, BE261601, AI752241, BF724479, BE278353, AL045207, BE735320, AW162793, AW239365, BE382409, BE383980, BF037301, BF308536, BE781436, BE797824, BE268521, BE262144, BE731292, BE733603, BE734713, AW663323, AL520921, AL531792, BE903671, BE903610, BE410055, BG107222, AL517770, BF979786, BE732947, BE887714, AW733017, BE391917, BG115216, BF127715, BF308038, BF314417, BE260247, BE408288, AW250530, BE735006, BE902627, BE019168, BG116714, BF795384, BE269556, BE903782, AW732949, BE268384, BE383309, BE279030, BE280838, BE382735, BE278656, BE312285, BE561530, BE734379, BE902509, BF689380, AI815398, BE792513, BE903567, BF304602, BE281170, BE262670, BE561790, BE391391, BE279176, BE735055, BE560537, BE391848, BE390588, AA306149, BE261481, BE313043, BG008258, AA223817, AA314658, AU076526, BE262008, BE382475, W44751, AW960376, BE387281, BE281148, AW083164, BE312928, BE259589, BE312581, BF316894, BE514910, BE262642, BE737459, AI123512, AF100752, AC004472, M30143, and UI11760.
HOOKH25	639	103132	1 - 3762	15 - 3776	AL517769, ALS20920, ALS20921, AL517770, AL531792, AU125829, AL531791, AU124376,

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HDTIL75	640	103143 5	1 - 1473	15 - 1487	AL525996, AV683597, BG169538, AV725955, AV764341, BE884035, AW953224, BE336842, AT935589, AT952759, BF030731, AT912341, BF034469, BF334207, AT726875, AW361333, AA760708, AT740664, BF876675, AW854201, AA126440, BF364260, AA126547, AW904025, AV690108, BF364253, AA374854, AA569874, AT359973, BE208051, BE781651, BF998663, AA128145, BF355778, BF734000, BE565675, Z45193, AW182538, AA424133, AT433942, AA095328, T33320, BF736750, AA505114, AT370560, AA216128, BE892492, BF365395, BG014127, AW339451, BF223694, AA069580, AA069607, AA425032, T16316, BE350697, AA722003, AA126980, AA659722, AT491840, AA282590, AA262021, W74044, W74284, Z40918, AW955087, AT135564, BF925321, AV685598, Z82195, AK000031, AF220185, AK027029, AF168713, and AK025354.
HPRSB55	641	103145 1	1 - 2118	15 - 2132	BE740238, BE396502, BG121152, BG166305, AA725894, BE856956, BE560549, AV725381, BE788322, AT151174, AA725843, AT796778, AA631182, AT684470, AT758791, AA307128, AW517402, AW950147, AW402321, AT873141, AT131094, AW082953, AA282254, BF836375, AW629203, BE042724, BE042802, AA456796, AW593026, AT810099, AT554493, AT589210, AT681923, AA476490, AA811682, AT034159, AT005154, AA429074, BE514170,

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HPDPY36	642	103160 6	1 - 1125	15 - 1139	AI286191, AI380986, AA833766, AV685121, AI684915, AW445111, AI078315, AW409850, AI074944, AW083620, AI333829, AW410643, AA862712, AV692765, AV691674, AW630406, R28360, BF054960, BG034066, BF220235, AI951634, AA535484, AW083851, AI298559, BE222680, BF002293, AA456610, AI742128, AV714945, N79442, AU154935, AA293551, AW613671, AA745871, AA457113, BE300685, AI865039, AI421011, AI436231, AI472002, AI080216, AA989354, AA973505, AA629630, AA863374, AA953282, AI421211, Z38938, BE858784, BG033474, AI743335, AA507434, AL135633, T68735, AL521527, AA247823, AA422055, BG036806, W80729, AA337554, BE280767, BE256109, BE277425, BE277346, BE409965, BE744735, AU124270, AL521528, AW960789, AA293550, BE885112, W78330, D19872, AA011488, BG167001, BE612990, R51146, R58147, BE410071, W07812, AW242007, BF307924, BF032930, AK001789, AK001235, and AF125182.
HETFJ47	643	103192 2	1 - 1767	15 - 1781	AA910946, BE795828, AU141193, BE901965, BE797702, BE733565, BE902040, BE736900, BE901113, BE304538, BE799665, BE733825, BE733342, AW370766, AA773478, BE539912, BE280632, BE901394, BE744972, AI147187, AW612924, AW245820, AW084163, AA827996, BG171354, BG004649, BE019577, AW958909, AI654448, AI627563, AI445660, BE265415, AI925490, BE266374, BE301538, AW955959, AW370781, BE044092, AI261225, BE267493, AA444056, AU158829, AI860488, AW780063, AL521838, AW673660, BE393046, AI339998, AA662124, AA826649, AA916472, AW206617, AI082028, BE019726, AW293553, AA588398, AA781244, AA100487, AL526812, AA444074, AW732928, BG170833, AA662089, BE796246, BF984794, AW363526, AW169569, BE539623, AI619549, BE267273, AL522637, AI272817, AA099576, AA626735, AI476556, AA563618, BE880158, AW005594, BE407731, AI669785, AI694033, BF108798, AW370776, BF033906, BE280141, AA100486, AA130971, W31417, AA838073, BF817639, BE927305, AA826578, AI869910, AI694055, AW731651, AW128848, BE814008, AI285208, BF726872, AL516968, BE732800, AI813824, AI700255, AA548132, AV748948, AW374533, BF761078, BF761129, AA983604, BE410292, AW245780, AI688313, BG029699, BE172513, AA102239, AV746613, AW374457, AA337602, BE276474, BF808956, BE300492, AV746614, BF002398, W04536, AA774600, BE396111, BG012408, AA384358, BE387107, AV746731, R00451, BE386995, W92449, AA336823, W92448, AI401368, AW087441, AI269310, C06239, AA130960, AI991651,

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HMAMI21	644	103198 8	1 - 2234	15 - 2248	<p>AW954799, BE271837, AV721846, BE745592, BF725507, AA683501, BF001820, BE645976, AA493369, AI478433, AW272169, AW043832, AW629090, AW970817, AI632954, BF883899, AW341082, AI037911, N73299, AW183622, BG149229, AI554533, N80298, AW079953, AA010682, AW237610, AI470926, AW419057, AA195080, AI627833, AA195179, AA563670, AW590266, AI168477, N64510, AW771214, AW340086, AI767341,</p>

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HCOQQ85	645	103247 5	1 - 796	15 - 810	<p>AFI23263, XT72378, AR032065, and U79457.</p> <p>AA527275, BF739761, BF671674, AI021993, BE788289, AA708317, BF339011, BF698698, AI056032, AA177007, BG109574, AI084881, AA719512, AI992038, AI149297, BE250762, W72756, AI885493, AA025332, AI347596, AI127378, AW960136, AI150597, BE537772, AW055350, BF669977, AI309300, AA807990, BF025746, AI299357, BF026935, BG179200, BF752877, F36957, AI167238, AI144250, AI817728, W37211, AA587383, AI301868, AI150853, AI146973, AI128060, AA757709, N36768, W93604, AA977154, AI870720, AA143022, AA652196, AA569637, AW016423, AA908239, N20465, AI168024, BE300559, AW392903, AW249089, W61069, W25494, AI073715, AA206039, AI129656, T78482, AA827356, AI301287, AA86216, AI079179, AA885836, AA962819, AW248654, AA888169, AW316772, AW050956, AW273669, AI189120, W77955, AW780042, AI312121, AA581114, BG248514, AI422787, N78693, BF102734, AI340959, H88181, AA321706, AI188708, AA150913, AA024487, AA813766, AA873718, BF697972, AW009296, N25492, BE302884, AI352608, AA714470, AW009290, AA548148, F34753, AA358375, AA586392, AW272941, AI541308, AI905953, AI435287, AW392845, BF677448, N31676, BG114546, BF752843, AA376127, AW272937, BF763217, AA937389, W25732, AI471041, W33168, W02662, W61070, AI905948, AI905949, AI185169, N93627, BF680643, AW873384, AA494189, AA373543, AW176052, BF764929, N94001, AA367465, AI194089, BF853542, AA070489, AW176041, AA928311, R63598, BE045202, BF853544, AI085401, AA373625, AA366558, BF854499, W33142, AI192334, BF913336, AA953271, AA366974, AA364489, AA092278, AI203772, AA070661, AI905950, N22648, AI718915, N53822, AA634161, BF664967, BG005761, W33143, F18245, AA728797, AI024909, AA026881, AI001941, BE175249, AA779647, C03405, AA366085, AI074923, AI094487, AI766664, BE774269, AA635566, AA635574, AA535812, N45928, AA976918, BF853551, AW975850, C00369, AI862619, AI862613, AA578205, AA548598, X99920, AR065359, AX038714, AB001567, and A52250.</p>
HE2DQ62	646	103365 3	1 - 1566	15 - 1580	<p>BE276086, BE799426, BE869452, BF026338, BF317399, AW025382, BF794897, BG114881, BE730504, BE889582, BG170450, BE729071, AW273311, BE383027, BE388081, BE546242, BE389443, BE872888, BE728904, BF382090, BE393294, AW516676, AI498244, BF724969, AI598225, AA873418, F31242, AA600326, BE045808, AW148628, AA642725, AI000969, AA506332, AI751726, BE301180, BE543750, AI479038, AI048061, AA232924, BE378196, AA558785, AI048062, AA961507, AA340658, AI400895, W95885, AA662509, BF033521, AA548895, BF975491, F36168, AA082145, AV750413, AI423491, AA994430, BF430965, AI824366, AW177763, AI816593, BF904786, F36493, AW603812, BF526524, BF902060, BF931340, AA491695, BG232062, AA101158, AW082900, AI828034, AW001969, AI422611, BE838159, AW969607, AI134524, AI309801, AW968148, AI045328, BF958854, AW969848, AI037436, AI038838, AI047012, AI044125, AI038983, AI037435, AW969653, AI038532,</p>

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HEBAE89	647	103432 0	1 - 571	15 - 585	<p>E12615, AX018504, AR035193, A92133, E14304, A07700, AX027811, AX027809, A13392, I62368, AR031488, I13521, I52048, A27396, AX027813, AR069374, AR027100, I49890, I44531, I28266, AR069375, AX042377, AR083151, AX027812, AX027810, AR091518, AX027816, AR072535, AX027817, AX027818, AX027814, AR085082, AR085089, AR085091, I21869, AX042373, A91965, I44516, A70040, AR085079, E16678, AR085083, E16636, AR074365, A93016, AR093392, AJ230902, AJ244003, E17098, AX006816, A20700, A98420, A98423, A98432, A98436, A98417, A98427, A86792, A24783, A24782, A35537, A02136, A04664, A95117, A60212, A60209, A60210, A60211, AR095490, AX006823, A58524, A58523, D13316, I01995, AB025273, I25027, AR069426, I26929, I44515, I26928, I26930, I26927, I08051, A93923, AX011024, A64973, AF149828, AJ231009, I08395, A11624, AX035980, A10361, AJ230867, AJ230951, I19525, AR070327, I60241, I60242, AR093383, AR091537, A70872, AJ276257, AR063812, I15718, AR069417, AB043473, Y14219, A22738, I05845, S60422, A20699, E00696, A13393, E00697, AX030369, AX030368, AX042375, and AX001330.</p> <p>BF347572, AW958277, BG236334, AW405615, AI204097, BF805442, AL042964, BG117750, AL527844, R92423, AV684866, T77218, AV742001, T81565, AV684904, AV745080, AV724520, AV742667, AV743601, AV718844, D51250, AV720464, D80227, AV742720, D80219, AV744934, AV741012, AV722801, R24348, D80253, AV720731, BF203696, D59275, AV740535, AV744773, AV701017, AV700229, AV701043, AV737584, AV718858, AV743654, AV699447, AV701248, AV744768, AV723927, AV718692, AV701166, D80240, D80210, AI363890, AV701332, AV701443, AL045960, D80043, AV701154, AV718681, AV701125, AV721784, AV741888, AV719783, AV718489, AV701261, AV701012, AV701118, D51423, AV701428, AV745724, AV743008, D80193, D80391, AV700889, AV973447, AV745392, AV701431, AV699479, AV701163, AV720034, AV699927, AV745723, C14227, AV720607, AV744771, D59619, AV745369, AV745488, AV723097, H78758, T11051, AV744770, BE304914, AV720812, D80949, AV745366, AV746385, BE305201, D59927, AV745621, AV745831, T11417, AV738934, D80168, AV719000, AV746335, AV699746, D80196, AV745490, AV708420, AV701121, AV746162, W68036, R28182, AV708422, D59787, BF930610, AV699550, AL043422, AV701004, AV701422, AW949645, D80366, AI557751, AV720203, AV745583, AV700495, D80045, AL039150, AL038821, AL039085, AL043445, C14014, AV719913, AV701149, D80134, AV701335, AW063533, AV701151, AV701055, F13647, AV701145, AV746300, T23947, AV745411, D81026, AV701357, D50995, AW965158, D80038, AV699682, AA883867, AW975618, AV742671, T83811, AL043423, AW064110, AV719324, BE294171, AV699480, AV699669, AL043441, BE018654, D58283, C75259, BF842890, AL039156, AV745388, D81030, AV719822, AV745902, D80195, AV718770, T24119, D81111, D51799, D80188, T03269, AW959570, D59889, AV718800, BF090381, AV720211, AV745920, AV745849, AV718707,</p>
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HVVCT43	649	103453 9	1 - 3825	15 - 3839	AL513621, BG108364, BF981991, BG251062, BE277090, AW955958, BE878444, BE733803, BG168247, BE277399, BF668085, AV650071, BE786362, BE707568, BF669676, AW972542, BF684894, BE391809, AA314262, AI698145, AI751509, BF665920, BF573738, AI751508, BF697493, BE564902, AW960775, AW582252, AI765378, AW582244, AW439242, BF665612, BF666904, BG166422, AW582251, BG057825, BG113388, AW814405, AW503987, AI309793, AI983094, AI819921, BE813900, AI889488, BF027863, AI691017, AI478725, AW173684, AI336867, AW513228, AA954665, AA770272, AI418367, AI768787, AA639199, AI633169, AI579948, AI828611, AW511444, AI923258, AI635118, AI952782, BE464454, AV749304, AI635010, AI683485, BF700402, BF792987, AW304822, AI963627, AI088904, BG028078, BF668903, BF112132, AA773349, AW129973, AA287318, BF030304, AI347373, AI278264, AA187540, AU153764, AW974355, AI373090, AI860395, AI637577, AI982534, AA130169, AI561081, AA642700, BE049571, AI637840, AW591126, BF670532, BG058636, AW304817, AW512939, AW379208, AA854659, BE541922, AW514020, AL513622, AW130866, AI624071, AI167846, AI566584, AW591196, AI984745, AA305439, BE301698, BF699770, AW591595, AW517070, AI683773, AA747281, AA451739, AA287399, BF697324, AW058417, R59469, AA255886, AA587659, AI267698, AI986135, AA488133, AI961717, AA689402, BF668997, AW572352, AA282616, AI744496, BF383062, AA488134, AI559255, AI858347, BF217682, AI887129, AI684490, BF674704, AI274756, BG114332, AW444697, AW150281, H24906, AW473915, BF512979, AA730687, AW055340, BF815344, AI472334, AW513812, AI492872, AW169998, AW571720, AW514071, BF184666, AA970450, AI288077, AI636153, AI955042, BF594373, AI858187, BE540403, AI037168, AW193022, AW391166, BE094675, AI888974, AA978256, AI189233, BE274007, H01983, AW151230, AA256684, AV657239, AI861989, AA694475, AI273008, AA644170, AV656955, F09244, H01972, H02063, BF216051, AI860650, AI273026, AW517510, R70971, BF218858, H26485, AV697460, AI873591, H13596, AA348853, AA256683, AA336954, H02078, BF675733, AI824564, AI399762, H44525, AW189754, AI565023, AW591524, T93742, BF208299, AA354340, AW571751, Z43173, AA337732, AW591124, AI275201, AV695254, AW814497, AA907212, T96248, AW297887, Z39255, AI873453, R75751, H44530, R70923, AI567328, BF695847, H26324, AA354807, AA918265, AI284207, AA336921, AA337310,

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HTTDR30	650	103543 5	1 - 1010	15 - 1024	AW960396, AA308503, AA455444, AL449624, AA402322, W90706, AI908717, BF818192, BF756568, AV659387, AW802965, AA251071, BF727415, AV655464, BE170924, AA251073, AA383483, AI907975, AV694122, AI907976, AV694102, BF906047, AA303211, AI908722, AA251074, AW577424, AA250874, T51062, AA047652, AL449625, AI633474, AI962727, AI908024, AW264181, AI908023, AI492574, AW027558, AW664484, AI590823, AI435243, AW008383, AW013828, BE169107, BE302199, BG250743, AK026760, and AL109839.
HODGO46	651	103560 2	1 - 597	15 - 611	BE152315, AA918309, and AC019171.
HNTTB23	652	103598 8	1 - 4138	15 - 4152	AW118642, AW963160, AA830062, BF963752, AL120970, AI809317, BF954879, AI377642, AI422066, BF575863, AW468223, AI929415, AA171421, AA171788, AW297314, N29248, BF216343, AI708170, AW023408, AI354401, AW771073, C75190, AW593691, N47973, AI929404, AI619874, W42916, BE710356, BE180161, AA814993, M77964, AW977993, BE180263, BE180172, BE180379, BE180159, H03086, W42746, AA721262, BE180151, BE710384, BE710366, BE710376, AA082664, AW297897, AW970588, AW979200, AW973808, R81661, AW970933, AW975247, AW976008, BE003761, AA101145, AW968167, AW975409, AW975126, AW410844, AV758849, R46188, AW972298, AV712092, AW575808, BF873487, AI285651, AW501278, AW085626, BF725436, AW243817, AI567676, AI570067, BF790866, BE080768, AI821342, AV706458, AI434103, AI734193, AA455202, T07751, AW157128, AL121039, BG180320, AI890283, AI702049, BG059139, AI174827, AV759517, BE049409, AV761497, AU146789, AI734158, AI610814, AI038029, AA652675, AI754257, AW731858, AW072963, AW327673, AV760048, AI826857, AA834891, AW265468, H47461, AV683406, AA618531, AW631267, AL044701, AI002950, BF970107, AA554289, BE152006, AI889177, AI003068, BF846619, AA167656, AI884404, AW514844, H29593, BF812696, AI049999, AI620666, AI572680, AI701898, AI857834, AV763460, AI000381, BF736912, AA493546, AI174703, BF913232, AA507623, AW148821, AI732720, AI734119, AW409621, AW970877, BE744372, BF942991, BF771562, AW970064, AI433952, AW504667, AW085811, AW963552, AW029626, AW813106, AW960129, AA846014, AW576388, BG059924, AW979098, AW439224, AW337483, AU152301, AA557945, BF111857, AI821901, AI312614, AI355246, BF792103, BF679568, BE967607, AI439525, AW839858, AW192930, AW021674, AW970875, AW262946, AW971963, AA132929, AI815770, AI547110, AV729090, AI571094, AA969564, BE246651, BF770872,

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HVV BV73	653	103658 3	1 - 2030	15 - 2044	AU122160, AV714982, AW958328, BF445093, BF905367, BF448196, AV760536, AW468149, BE220180, AI632166, AW779772, AA133246, AA533135, AA483521, AA194092, R97265, AA311548, BF850986, AI075828, AI921879, BE701129, BF822456, AI652624, BE829766, AI189606, AW081537, AA367772, AI660524, AW008689, AI189280, AU076738, AI126085, AI521483, AI913886, BE007605, AW294311, AA133300, N26404, AA991196, AA352508, BE815848, AI262718, BE815899, BF900631, AI561330, AF013249, AF109683, AF251510, AF251509, and AF013250.
HE8MH38	654	103670 7	1 - 3263	15 - 3277	AL533126, AL533127, AI928228, BG260542, AW170300, AI808522, AI986295, AW052146, AW440263, AW025345, BF575470, AI767642, BE786636, BF679661, BF061092, BF528772, BG120285, BF977985, AA772078, BF879171, AA858427, AW469286, AW953365, BF838470, AI554864, AI680274, BF838469, AI683456, AW451615, AI582689, BF669695, AA806625, BF209841, BF838693, AW961621, AI745623, AW614818, BF591069, AA278792, BF855142, AI075180, BF817549, AL531141, AI041921, W67223, AI831295, W86505, AA837322, AW958118, BF838674, BF838513, BE565407, BF769124, BF827053, AI699876, W03861, BE219995, BF106385, BF593586, AA251571, AW895135, AI240206, BE049368, W86438, AA236388, T75243, AI216491, AI245175, AA251003, AW269059, AI079656, AA039738, BF541202, AW269066, AA234416, AI346613, BG001183, AI474766, AA039811, AA664111, BE940534, BE184744, D60839, BE091487, AA354069, AI917547, BE184809, AI290570, H53649, AA716105, AI538089, H50150, H22062, BE940694, AW191651, AI569099, BG001168, H43509, AW361564, AA935476, H51650, T88885, R19252, AW139671, F12748, AA317063, T35484, D81747, AA045983, AV722954, R38637, T84243, D63023, AA353028, AA329162, AA854482, W27422, AA724246, H55953, T07187, AA730463, T91921, AA029576, AA367548, BF839731, AA740198, BF992584, AA322166, T91833, AA579692, AA484665, R44516, AA297306, AA029575, W67333, AV683803, R05399, R05398, AA046230, H21205, AA700200, AA764806, H51073, BF825032, BF825022, AI904358, BF087937, AA766546, AI560551, AW991849, R88372, AW991846, AW991745, AW991848, AW991856, AW991850, AW991858, AW991852, AW991689, AW991855, AW991859, AW838079, BE892310, AI358443, BE180978, R28906, AW991853, BE813259, H24553, AW991844, AW991851, AA873752, H42515, AW991675, AW991857, AW991682, BE931685, H55952, and AB014597.
HTEPV42	655	103697 3	1 - 3044	15 - 3058	AI807073, BE380078, AW237271, AA167044, BE673329, AI962324, AW019979, BF105943, BE463595, AV648439, AI872009, N66663, BE463544, BE710043, AW960859, AI299822, AI949044, AI458442, AA993605, AW299249, AW450231, AA629256, BF475297, BF430929,

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HKA0B40	657	103713 1	1 - 446	15 - 460	

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HPDVE37	658	103730 3	1 - 1599	15 - 1613	<p>AB033884, AB047248, AB048964, AB048953, and AI475127.</p> <p>AL517808, AA875996, BG163459, BG254693, BE856373, AI356625, AI697273, AW964280, BE620690, BG032350, AI955203, BE739574, BG180339, BG118987, AI804501, AW072362, AW131876, BF439994, AW517706, BG163494, AW589307, AW474312, AV713744, AW189479, AI758808, AI671058, AI859527, AI571565, AL516527, BE044262, AI979123, AI358930, BE785436, AA903662, BE876057, AV757490, BF447142, AW769283, AI702005, BG179480, AI589797, BE855665, BE874132, BF813665, AW470124, AI608874, AW262906, BE542347, AI419415, AV733087, AW085499, AW264203, AV716319, BF594195, BG166560, AV717480, AW043903, AI589155, BG236166, BE855543, AI625339, BE349609, AW071433, AI811579, AI827883, AI038312, AA923546, BE787494, AI027551, AA946567, AI218474, AI262847, AA516112, AI250238, AI367751, AI587647, AI445709, AW190946, AI095563, AA506164, AU149505, AW449748, AW675364, AA461100, AI273385, BF342328, AI886029, AA594304, AW363586, AI765475, AA644088, BE831584, AI249095, AA954399, BE870728, BG164966, AI359314, AI362797, AU148487, AU155770, AA054986, N79134, BE698726, AW022921, AI302865, BE788584, AI347884, AI344505, AI339769, AI159818, AI191669, W68451, AI301086, BE787374, AI346633, AW864340, AW468843, AA461415, BG249206, AV733977, BF130637, AA917866, AI431993, AI346628, AA295256, AI139442, AI474061, AI263002, AI554488, AI718444, AA054987, BF350409, H97738, N28435, D20107, H50749, AA405503, N26792, N47562, R06023, AW768467, AI866248, W32011, H71749, AI335841, AI473654, BE244914, BE871289, BE870161, AI244612, AI274576, BE879080, H04403, H66230, AA872308, T60170, N62365, AV705024, AV738340, BE873741, AV701643, AV707151, R33767, AV727052, H72312, W31602, AV727574, AV703542, BF094332, AV708203, AI146867, AV745940, AV703980, AV702696, AV728282, AV709886, AV727954, AV701751, AV703266, AV649112, AV707794, AV727001, AV702222, AV727314, AV709932, AV706910, AV727238, AV703213, AA055296, AV704879, AV706425, AV725991, AV706223, H04378, AV725154, AV727583, AV653897, AV706851, AV728652, AV762632, AV702673, AW510462, AV701879, AV729473, AV707783, AV701774, AV707528, AV725380, AV701914, AV702149, AV648623, AV702354, BE881308, AV706104, AV728425, AV709494, AV706093, AV709356, AV715252, AV706925, AV761002, AV707238, AV733867, AV704954, AV705416, AV702671, AV707589, AV727126, AV733901, AV704660, AV703460, AV703591, AV711979, AV703417, AV713329, AV733247, AV733222, AV711705, AV758219, AV702851, AV762691, AV764039, AV716583, AV705550, AV713025, AV758054, AV726653, AV733212, AV702498, AV729886, X87212, AC011088, U79415, I45551, AF060171, D90404, AX020190, AX047064, AX035462, AR038855, AX047063, AX008555, I44681, AR088705, AR062871, AX026824, AR017907, AR070327, AR091393, AR079804, AX032758, X81969, A25909, AR062872, AX026823, A85395, AR062873, A85476, AX009487, A20702, I18895, A20700,</p>
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HTLES74	659	103743 8	1 - 1599	15 - 1613	A1684972, BF970837, AW967038, AU159484, AU158471, AA057647, AW500380, AW249504, AW151743, A1424975, A1432337, BF871652, AW084843, AW304447, AW967331, AU148765, A1394403, A1191900, BF871649, N25336, AA133457, BF382784, AW505227, BF871644, A1914725, BF955103, AA921789, A1783706, AA057623, AW469146, AA916229, BE699490, AA729783, BF955104, BF847243, AA458940, A1336273, N31450, T07500, BF744969, BE254288, BF350930, BF744962, AA010526, BE041426, AW873536, BF350929, BE256648, BF874285, AA317055, BF847242, BG104716, BF993827, AW592168, BF876061, BF869452, BF744885, BF869451, AA010440, AA133456, BF874364, F37928, T28450, BF377173, AA768679, BF350954, AW250269, BF350936, A1905327, AU125009,

HCORG51	660	103748 0	1 - 1018	15 - 1032	<p>AW452112, BF350941, BF814972, BF809514, BF811020, W88917, BF349935, BF766992, AF159851, and M73077.</p> <p>AU119606, AA203703, BG108259, BF727003, AV723401, AV727538, AL037022, BG121673, BE906082, AV701409, BG104741, BF207530, BE886888, BG165717, BE865783, BF969520, AV693876, BG121030, AV695442, BG105351, BE906390, AV718109, BE256706, BE905199, BE783245, AV761845, BF213371, BG163570, BF695449, BF666653, BE787708, AV759701, BE257704, BF033701, BF978876, BF212445, BE440070, AW960900, AV696961, AV759933, BF940791, BF698481, BG107691, BF696419, BF032594, AV714540, BG032718, AV713922, BF208342, BF207835, BF698120, BF132136, BE878507, BG171285, BF666631, BF184845, BE564620, BF028256, BG114143, BE566319, BF665952, BF207537, BE787664, BF701660, BE712409, BE254967, BF212224, BE566364, BF668687, BF103822, BE568143, BF794294, BF028300, BF668049, BE535212, BF210210, BE566454, BE566504, BF669748, BF028425, BF132549, BG034568, BE973714, BF211605, BF698186, BF699327, BF129935, AV692292, BF790799, BF668313, BF207538, BF219102, BG112005, BF574192, AV695884, BE568054, BE865575, BF028080, BF669285, BE866162, BE564560, BF696430, BE564680, BE566998, BF697745, BE880760, BE537699, BF701632, BF031304, BE568246, BE567433, AA641037, BF666925, BF245842, BF699104, BE568260, BF698609, AA207275, BF028127, BE617095, BF687636, BE866547, BF029228, BF211122, BE565384, BF028659, BF666787, BF215598, BF106334, BF207508, BF662895, BE568342, BE883681, BE958125, BF209000, BF238831, BE712313, BE865640, BF207801, BG113857, BF701484, BE564339, BF666262, BF207800, BF212545, BG170382, BE379878, BE565403, BF208434, BE738903, BE960617, BF130043, BF701314, BE566626, BF696841, BE567001, BF676340, AW956412, BF207487, AW951764, BF028632, BF679913, BE565908, BE866051, AI878922, BE565841, BF028356, BG116048, BF698480, BG115367, BE568736, AV748606, AA777569, BF028533, BE538069, BF029283, AV711633, W74771, BF132067, BF028876, BF698815, BF184604, BE568628, BE866343, AV709365, BF540906, BF668983, BF670020, BF029074, AI313152, AI184824, BE568240, BE866165, BF669919, BF241599, BF211931, AW327264, BF132599, BE958387, BE566452, BF668437, BE958229, BE866608, BE568941, BE567143, AW405776, BE675095, BF208507, AW575329, BF698858, BF670050, BE567222, BE712302, BF106197, BF571150, BE567991, AI204563, AI971724, BE865853, AA143061, AW089921, BF790681, BE566909, BF213189, BE865841, BG117885, AW886459, AI879014, BF126080, BE712495, BE565381, BE866555, BF700114, BF240137, AI057602, BE881428, BF028741, BE674885, AA187900, BF028038, AI041813, N36393, AI146925, BE568390, AA314926, BE866414, BF699470, AI362989, AV714019, AV753726, AK024823, AC005000, AL031983, AC006137, X99585, AL031133, AF067824, AF067825, U89439, AF067826, AC006349, AC005193, L76416, Z98050, D16928, M84340, A74359, X95225, R09273, T78786, R06047, R13312, R26309, R34095, R69222, R69651, R69665, R87091, H54579, H61278, N27572, N32723, N42456, N44268, N45944,</p>
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HPAMM72	661	103834 4	1 - 1192	15 - 1206	<p> AL523860, AL523859, AV703581, BF313932, AV704094, BE744272, AI245953, BF311083, AI580046, BF978105, BF342774, BG029876, AA548201, AA587134, BE384153, AA502785, AA505568, BF686716, AI754704, BF568187, AA526489, BF206736, AI360872, AW170479, BF125063, AI342198, AI871437, BF980574, AI620169, AA587222, AA533190, AA252926, AI819060, AI809628, AL535314, BE266496, AA477334, AA905992, AA548308, W52644, RS3008, AA479767, AA740293, BE389423, BE889935, AA888511, BE895691, T69762, AA953866, W79885, F24264, AI186365, AI126858, BF972617, AI684622, W56615, BG163811, AI936781, F34518, M77988, T70747, BF195437, H83737, BE840210, AW865827, AI857330, BF591148, AA542905, AI421596, AI984543, BF879344, AI354365, C01187, BF939223, BG057040, H54505, AV742672, AI524233, N56117, W74271, AA054732, AI005431, AI937336, W05721, AA054739, AA559928, W25472, AA304771, R71745, BF910578, AW607220, AA879033, AA886134, BE696657, BF807135, AW605383, AA345944, BE840003, BE696656, BF910040, BE836322, W56645, AW768898, T50922, BE727589, T50763, BE770117, BF354989, BF858481, BF858460, R28237, AA338136, BF858399, BF858463, AI005445, AW800087, BF858469, BF858479, AW118596, AA568270, R70173, BE811961, BF896188, H54417, R29460, W25064, AA507070, BF799694, AI459675, BF796413, T85523, BF743421, BF002186, Y07604, AF086133, AF288690, AF153451, X97899, AL359622, AK000432, I48979, AL121656, AL390167, I48978, A93016, AK026592, A08916, AF116639, AL137527, AL389978, Y11587, AF116602, AX046603, AF118070, S78214, AL157431, AF116646, A08913, AJ242859, AF130075, AL442082, AB019565, AF130104, AL117585, L31397, AF090900, AF078844, AK024538, AR079032, AF125949, AK026865, AK000618, AK026504, S68736, A08910, AF118064, A08909, AL133640, AK026651, AL359596, AL117460, AL080127, AF130059, AL049938, AB048953, AK000212, AF219137, AL050393, AL442072, AX026824, AX026823, A58524, A58523, AF116691, I89947, AK025958, AB049758, I89931, AL122093, AF113013, L31396, AI2297, A08912, AR087170, AL110196, AL359601, AL110221, AL117457, AF113016, AF113691, X84990, AF116644, AF119871, AF242189, AL356278, AF090896, AL080060, AK025391, AK025484, AF104032, AX005804, AK025491, AF130105, AF119878, AK027204, AF017152, AF090934, AF119894, AF225424, AF116631, AL133606, AF090943, AF218014, AK026608, AF090901, AL133113, AL389982, AL050277, AL162002, AC005992, AK027113, AL162083, AK026086, AK000445, AF183393, AL122098, AF113676, AF138861, AL050138, U35846. </p>

					X98834, U72620, AF119875, AL122050, X70685, AK000083, AL133557, AF130082, AK027116, AK026532, AK026855, AF113019, AF017437, AF119909, AB047904, AL162062, AF130099, AF111847, AF113694, AL133093, AK000647, AL359583, AR059958, AF090903, AL080137, AF207829, X65873, AK026647, AK000652, AK026533, Z72491, AL137550, AL117583, AK025084, AK026947, AF130092, AF130077, AF175983, AL133072, I26207, AL133104, E03348, AL137557, AF132205, AF119865, E07108, AK026452, AB052200, U00763, AX006092, AF260566, AF158248, AL133565, AL049464, AL133560, AL137463, AL049466, AB048964, AF116649, AK025524, U80742, AK000718, AX019230, AL122110, AL049300, AL049452, AK000137, AK000753, AL096744, AF056191, X63574, U91329, AK026534, X72889, AF119337, AL050146, X93495, X96540, AB034701, AK026464, AF118094, AL050024, AL133080, AB041801, AK026642, AB050510, AL137648, AL162006, AL137538, AK025772, and AK026542.
HKZAT03	662	103837 8	1 - 1603	15 - 1617	<p> AF192181, BF568681, BE619353, BG120390, BF342481, AL401034, BF568988, BE789895, BF732947, AF1767382, AW006326, AI355164, BF338223, BE045924, AI285633, BF591104, AI867456, AI887701, BE785287, BF594321, AI521603, BF568589, AI281806, BF594332, AI569158, AW469163, AI638344, AI201771, AI733579, BE042478, AW193431, AW083891, BE502258, BF674772, AI672802, AI952107, AI916027, AW263735, AI924871, AI655323, AI677970, BF941149, AI970251, AI347252, AI564712, AW089701, AI539116, AI420801, AI916004, BE620014, AI672004, AW290972, AI247014, AI680300, BF438612, AW629833, BF196599, AI281880, AA602320, BE857125, AI571084, AI560534, AI920823, AW194360, AA558959, AI655096, AW089651, AW593434, AA583786, BF877451, AI886225, AA838252, AA583313, AI910048, BF036691, BF875572, BF588571, AI962356, BE939501, AW378134, AA653417, BF839820, BF898669, BF809758, BF834908, AW748237, AA102207, BF884829, AI950970, AW272114, AW087229, BF880457, AV688379, AV693534, AV693525, BE001970, BF827682, AV689604, AV692641, BF829604, AI081643, BE939633, AW177785, T29204, BE078144, BE618452, BF664598, BF878235, M63193, U62317, M58602, and S72487. </p>
HDQMA85	663	103871 7	1 - 342	15 - 356	<p> BF978123, AU126584, AU128622, BF978806, AA495935, AA418533, AV711446, AA193327, AV710174, BE566462, BE892207, BE569126, AV650111, BF208049, AV655570, BF571579, AV658440, BE566177, BE380088, BF207671, BE364660, AV659224, AW953008, BF126703, BF681495, AV706080, AA136159, BE568578, AA365223, AV717432, BF037095, AV706188, BF969419, BF027969, BF678845, BE294140, BE819432, AI557092, BE315019, BF542097, AV716266, BF104989, BF207827, BE565709, BF131739, BG167404, BE894162, BE565661, AV731171, AA150864, AV730529, BE568671, BF691161, BF674527, AV705301, BE569149, AI525586, AV702978, AA421976, AA314967, AW607134, AV707255, BE566620, BF572994, AV723383, N79705, H24621, BF675294, BE568676, BF031287, BG168685, AV710104, H49331, BF207548, W01244, BF031139, BE573093, BE618995, AW804379, BF132984, BF030537, BE971095, BF028510, BG167791, AV705177, BE005667, BE568441, H83043, </p>

					<p>BF976854, R09636, BE867757, BF028516, BF027792, H59379, BE005665, BE089806, BE866538, BE568125, BF215610, BE064379, H28570, AV649441, AV649518, BE961168, BF675211, AA127034, BF035590, BE565064, BE005612, BE568624, BE974177, BE568428, BE567576, BF675491, AA345532, BF540919, BF038148, BF208468, BF977940, AV657323, AV657335, AV657336, BF037132, BF996177, R99952, BF032642, BE568525, BF029012, BF029178, AW804389, BF573748, BE866404, H53333, T84587, BG179179, BG168907, H66880, BF027825, BE564539, BE865993, AV710768, AV656557, BE972451, BF131021, BF573793, AA375004, BF571313, BE565990, BF031968, BF382538, BF832819, BE005609, T86061, BE567551, BF027744, BF209509, BF248339, BF243975, BE565440, BE971265, BE971385, BF130254, BF243136, BF571473, BE005739, AW899998, BF977118, BE565812, T71465, BE566107, BF571808, N75712, AV655242, BF339479, BF744417, BF350811, N78024, AA573976, BF214719, AA629296, BE569018, AW384129, H66283, R86750, BF952328, BF961377, AI220117, AI819787, N90387, R01852, BF770743, AI146338, BE926883, AA313464, AW802566, N45718, BE003712, BE003775, AI810249, AW802617, AV702905, AW802458, AW802461, BE005748, BE176760, BE176762, BE926886, BE176763, BE176759, BE926908, BE003706, AV725700, BF035310, AI553922, AW802513, BF896323, BE003770, AW802465, T97634, BE926888, BE176757, AW802568, AU077079, BE176730, AI718455, BF154796, AW166965, AI888793, BE176741, BF806876, AI857837, AV710725, AW293505, BE003765, BE003754, BE926885, AI814264, BE003685, BE926884, BE003752, AW384126, AI749637, BE971184, AI961682, BE176755, H28555, H60116, BE003764, AC007528, J03746, D16947, AB000884, AF092926, U71211, U71213, U46498, and U71210.</p>
HVCCQ82	664	103871 8	1 - 960	15 - 974	<p>AV711446, AI810249, BF969419, AI146338, AI553922, AA629296, AI819787, AI220117, AV706188, AI961682, AV659224, AI857837, AA418533, BG167404, BG167791, BF035310, AI888793, BF038148, AA929054, BF037095, BF339479, AI718455, BG179179, AV731171, AV702978, BE564660, BF032642, AI749637, BE380088, AI814264, AW166965, BE894162, BE064379, BF104989, AU128622, BE892207, BF978806, BF207671, BF028516, AV710725, BF207827, AW439768, BF031139, BF027969, BF976854, BE568671, AI560688, AV705301, BF572994, AA928210, AI304964, AV655570, BE819432, BF027792, BG168907, AV650111, BE867757, BF691161, BE005667, AV658440, BE005665, AV710174, BE866538, BF675491, AA418380, BE005609, BE315019, AW571549, AV717432, BE005612, BE974177, AI400738, AV723383, BF037132, AV706080, BF031287, BE565661, BE568676, BE568525, AA887452, BF571579, AV707255, AV716266, BF542097, BG168685, AA493733, BE566620, AW471079, BF675211, AA991294, AA421976, AI089943, AA629674, AA193327, BF028510, BF207548, BE565709, BF594181, BF674527, AW950043, AV700927, AI218371, BE618995, AA629649, AA194110, BE926908, BE926907, BF573793, BF132984, BG180562, BE926888, BF196688, BE926886, AI198508, AA126514, BE176759, AV705177, BE176757, AI073726, BE568441,</p>

					AI168758, AV707733, AV706506, AV707657, BF197070, BE176763, BF678845, BF031968, AA629656, AI338921, BE566177, BE176741, AI674938, BE926885, BF126703, BF573093, AU150878, BG030727, BE565064, BE176754, BE176762, AA437280, AW950042, AI085786, BE176755, AA633132, BF030537, AI342447, BE926884, AW384129, AA652531, AI433152, AI281295, AI087072, AI281153, AA578595, AV725700, AI148621, BE569126, BF245521, BE926895, AI368007, BF573748, AW069054, BE294140, AI620350, N51899, BF540919, BE565440, AI620364, AI557092, AA994396, BE176760, N54787, AI525586, AU126584, AA991209, AI280197, AI136159, AI346309, AI338121, AW953008, AA573976, BF675294, AA804572, BF215610, AA495935, AI167365, AW802465, AI340135, AI084449, BE569149, AI080691, AI267984, BE005748, BF681495, AW819657, N31499, BE005739, AA935468, BF083036, AA495936, AA948663, AA150864, BF208049, AI568933, BF978123, AW148701, N48996, AI467868, AA313140, BE568578, N75712, BE865993, N48254, BF248339, N62757, N79705, T27850, AW802461, BE160096, BE566462, AA632823, AA150692, BF027825, AA954788, AI383720, BE866404, AI926052, BF208468, BE564539, AI915737, BE047685, AV735909, BE971265, BF209509, AA524864, AA314967, BF571313, AA708346, AA927952, AW607134, BF027744, BF131021, BF350811, AW015498, AW802458, AV730529, AW899998, AA194837, J03746, AC007528, U46498, U71213, AB000884, D16947, AF092926, U71211, U71212, U46497, U71210, T71319, T71465, T87001, T91011, R09523, R09636, T84587, T86061, T95664, T97634, T97635, R01852, R01853, R37035, H24584, H24621, H28556, H28570, R99952, R99953, H49331, H53334, H53333, H59379, H60037, H66283, H66837, H66880, H67714, H82824, H83043, N45718, N58003, N58434, N68575, N74240, N78024, N99964, W01244, N90387, AA120994, AA126672, AA127034, AA136337, AA136422, AA483118, AA557776, AA602799, AA937149, C00783, AA629202, AI247247, AI418720, AI185358, AI250750, AI536893, AI831510, and AW293505.
HTGFP54	665	103891 5	1 - 515	15 - 529	AW379160, BE179734, BF753109, BF919364, BF590555, AR086625, and AI080156.
HBODF41	666	103901 7	1 - 4077	15 - 4091	BE693712, BF726185, BF941211, AI609957, BF434424, AI133086, BE743297, AI818455, AI963505, BG035390, AI283400, BF000643, AI807136, AI540580, BE710218, AI923919, AW511536, AW961955, AI673369, BE709764, BE299414, BE938907, BE297587, BF941386, BF083301, AW949326, AA936302, AI119560, AW028717, BE092064, AA838701, AW192115, AW297210, AW467440, W77767, AI246894, AW389733, BF083304, BE764961, AI570849, N92501, BF882462, AI168120, AA262479, AW367902, BE815293, N34800, BE932159, AW085775, AA195510, H97700, AW368180, BF854061, BF882455, AW368217, AI768309, BF822787, BF516377, BE392838, AA417905, BG005722, AW372530, AI334431, AI400483, BF847440, AI580089, BE744768, AW368048, AW368218, AW368174, AW368042, AA131826, BF447574, AW368025, AW368163, BE714741, AW368040, AW368044, AW368047, AW368168, AW368170, AW368212, AW368215, BF349645, AW368045,

					<p>AW368161, AW368165, AW368172, BF349642, AI524462, AW368039, AW368207, AW368216, AW175895, AW368036, AW368211, AW368214, AW368041, AI580428, AA417886, AW368169, AW967262, AA488597, BF352015, R75626, AI433999, AA131993, AW368193, T08197, BF741290, W03374, AV759378, AI493010, BF759539, BG005734, AI014328, BG009226, AW291937, BF933647, BF759681, BE175574, AW837164, BF934826, BF949747, AW517557, T08198, AA776668, AW368031, AW368162, H27634, AW890283, BF949664, BF087268, BE179655, T81070, AA352329, BF759995, BE710010, BF799595, AI910238, AW361025, R75725, F00983, M83444, AW498652, BF924622, AA295631, AA235608, AW499952, BF932115, BE938357, AW449547, AW895808, BE184284, AI380018, BE767280, H40672, BF381151, BF510936, BE699006, N43952, AW576271, AA356931, AI807130, BG009224, AW895610, BE826007, BE842824, BF115437, AA235609, BE677207, BE709122, N44521, AW498575, BF812451, BF849874, AA716596, BF475909, BE004965, AI695783, AA092601, BF332641, BE764996, AA984493, BF361883, BF953753, AA195504, BF082947, AA092760, AA346813, BE699000, BE709592, BG252152, BF931082, BE815961, BE842813, BF087645, BF935482, AW368144, AW894375, AI699687, BF096130, AI738573, AI457458, BF935178, AI240956, AA694529, AA018591, BF515341, AI342757, AA661666, AA535116, AA001595, AA013357, AW103111, AI141380, BF435206, AW994982, BF935182, AV743204, BF081959, AI520604, AI268949, BF935176, AI580128, AI042317, AI587595, BF841420, AI922434, AW166052, N33182, H96634, M96803, AF017112, M74773, L02897, AX017485, AK025071, AX015394, AL117605, S65762, AX015534, AF016040, AJ005694, AJ242018, AJ238723, and AF047686.</p>
HRODW53	667	103906 8	1 - 2522	15 - 2536	<p>BG109975, AU119642, AW967929, AW195340, AW444826, AW976269, BF433231, BF447675, AU158960, AA947277, AA722891, AW009448, BF055991, AI420841, AA256747, AW377666, AA731773, BE503026, BG055294, AI565025, AI927332, AW389598, AI336337, AI494131, AA808216, AA947279, BE222247, AA825545, AW452410, AI651452, AW292860, AW377657, AI867450, AI216219, AI243363, AA812208, AI573209, BF108712, AW367969, AA908226, AW367976, AI458531, AW389617, W93316, AW079969, AW002549, AI467887, AA749144, N24875, AA256877, AA262505, AA766428, AA811313, R83301, AA778771, BF111381, BF542145, AW965704, AA682799, AW183953, BE047426, AW243205, H58733, AA931058, AI246223, H69591, BG002169, AA973454, R83395, AA419509, H69785, N36294, AA299701, AI803225, AA299702, T03865, AW471034, H58344, H75668, H59592, AA812777, BE710950, T77893, AA411001, AI825279, BF759989, AA354797, H65620, BE710953, AA677816, H69023, AI886081, AW296622, AA255868, AA255471, AA648958, BE705831, W93427, AW183272, AI203101, AA815060, H65619, H67272, AI218105, AW811839, H59593, Z38443, F05460, BF909126, AW798987, BF909992, BF909906, BF909207, BF909130, BF909585, AI634666, BF909216, BF909121, BF909974, BF957214, BF909575, BE788762, BE181731, BF909165, BE930530, AI208005, AK000399, AL161757,</p>

HPAMC60	668	103929 0	1 - 2977	15 - 2991	and AK023885. AL535865, AL516512, AL519227, AU141054, AL516511, AU126040, BF967988, AU137295, AU142956, AW963033, BE788012, BE889992, BG035178, BG027055, AU117071, BG258905, BG261070, BE061938, BG258982, AV702215, AW274900, BE217870, AV759936, AW959659, BE540470, AV696955, BF686672, BE538326, BE549733, BF999549, BE549916, AU146938, AV717743, AI160190, AI264123, AA775397, AA902465, AW408479, BF381555, AV753562, AA845453, AI567675, W19918, AI371771, AV714671, BF237716, AV705505, BE707637, AU143994, BF033922, H98061, AI129280, AI436219, AA131605, AI337194, AW750293, BE252519, BG025834, AI808533, AI65080, BE813720, AA314539, AI762629, BF243023, BF059565, AA824288, AV751773, AV763024, BF76697, BE002625, BE466846, AW339504, BE870697, AW172809, BE002808, BF306735, AI028509, N78438, AA165100, AW438902, AA702977, AA934039, AA772387, AI305175, AI969645, W31697, AI079414, AI140124, W32150, W00679, AI298102, AI298271, BF244067, BF746273, AA533788, N78878, AI818253, W56864, BE669492, AI468435, AA227473, AA150886, AI082614, AA888217, AI079958, N90337, AA316647, BF967264, AI083708, R19848, AW075617, N99923, N62347, N90737, BF216915, AI081307, N33210, AW513369, W39443, AI051901, N22977, AI128862, BE252097, AL526658, BE960874, AI366857, BF195491, AI968452, AI093068, AA488414, AA625429, W03474, AI767826, BF886626, N62714, AA844432, AI510771, AI339129, AA977275, AA917896, W77845, AI018089, AA808772, R23594, AA488552, W05350, W06854, AA558790, AV710092, AI590102, BF431526, W15351, AI560407, AA863422, BE671096, BF665098, N79109, AI086695, AV749542, AI246615, AV759463, N99916, W72121, AA226732, AA767460, AI220982, W06941, AI382792, AA844288, AU157116, AU155983, T59679, AI278098, N40268, AA456488, H09416, AI863558, AI300271, R71572, BF031544, N31015, R78812, H95034, AW205368, H78637, AA164685, N41923, H09357, AA854381, AA700449, H96313, R26150, BE925306, H06438, AW901748, AI669872, R77046, N91264, AA725325, R81582, H93997, AI090659, R79310, BE167655, R34212, AI186457, AI470782, AI591349, R79674, T85462, T99588, R81331, AI985095, N55580, AA369712, BF738882, AA009877, Z41909, T82168, T71401, AA708919, T83949, T50395, AW518427, T30640, N32393, T52657, AI191207, AI382962, N90421, R76884, AA164538, AA670114, T71267, AI572199, W32002, BF242166, AA876634, BE180993, AI719049, R30987, W25298, AI917594, BG011640, AA724702, AF121856, U83194, AK021456, T52656, T59815, R08686, T85364, T85403, R34329, R45949, R45949, R79863, H06174, H78585, N63268, N69012, N77082, W25292, AA131531, AA150778, AA738250, AA948725, C01143, AA094683, AA678747, U48336, AI042230, Z38204, AI678470, AW137248, and AW198143. BE794192, AI986229, AI290806, AW084755, AW341433, AI246657, AI347940, AA543086, AI222741, AI190369, AI697075, AI697244, AA429265, AA916401, AI283197, AA428446,
HLMH83	669	103949 1	1 - 1224	15 - 1238	

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HCYBI10	671	103957 9	1 - 1702	15 - 1716	AW962356, BE882875, AA446378, A1912345, BF686233, AA903395, AA305361, A1262837, R51262, AA325695, BF756552, AA502360, BF436343, AA341377, A1383206, H95839, BE926588, AK025718, AF078165, AF205888, AF205889, AF017757, and A98521.

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HAOSK79	673	103966 3	1 - 756	15 - 770	BG032338, AL525292, BF796384, BF692056, BE745991, AV716068, A1569781, BG029520, A1052735, BE893878, BF797308, BE888132, BF979000, BG178102, AA781104, A1571797, BF976824, BG256579, BG104520, BE544942, BE865636, BG029828, BF035701, BE261824, AV760223, AV757406, BE564641, BG117456, BG030351, BE899066, BF103712, A1598181, BF687712, BF984230, BF184810, A1870484, BG032825, BF695460, AW957275, AW874587, AW515957, BE866479, A1073718, AA203476, AW575580, AA781338, BE895698, AA706787, AA436999, BF571031, BG030598, BE894780, BF185164, AA081272, AA007621, A1187853, AA075073, AA007646, AA705320, N93408, AA039876, BF516104, A1037954, A1970768, A1192508, AA861023, A1140876, A1698655, AA081273, AA405947, AW272792, BF694018, BG034515, AA041520, AA812948, AA42827, N93319, A1362866, AA075235, AA476952, AW261964, AA074947, BE904476, N53693, A1302602, AA992412, BF685238, AA405385, AA033949, AA075247, R83062, AL525252, AA430032, AA477063, N55467, AA555210, BF036251, H64056, AA772482, AA287547, AA430241, BE184054, AV758639, BF983295, A1445235, AA764752, AA287855, AA780128, H58693, H94652, AA960936, AA314652, H52308, BF218627, AW023686, AW750100, H90483, AW082280, AA627719, H77520, H77519, H60872, R70335, AA055312, AA055311, AA404964, AV734433, A1338258, H60873, H58303, H67960, AA644227, A1185954, H67633, H66113, AA693507, N73057, H64006, AA405133, H66067, H90427, BF979261, N51912, AA286786, A1933075, A1811894, H82677, AA806062, AA287854, R93232, R93114, AA380236, H82417, H52544, BF965661, H67910, R83011, BF037529, AA352192, AA287672, AW750040, N23584, A1498735, BE391888, BG105162, AA383595, AA249470, H70200, C21248, A1910658, AW796237, AW957287, N76842, BE328455, AA033896, AW602820, AW404603, T25511, AW796097, AW796134, BE972716, BG032865, BG033115, AW796271, BE540031, A1346766, BF033757, AF095287, A1223953, AF075242, AF062649, AF200720, AF200719, AF095289, AF179298, AF095288, U73030, AF116538, AF071209, AF167561, AF167563, AF167564, AF167560, and AF167562.
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HTHDT76	677	103987	1 - 1794	15 - 1808	BE547763, BF879014, AA150271, AA150373, AI148532, BF223784, AU135981, AI038383,

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HSYEC21	678	103989 1	1 - 4229 15 - 4243	AUI27302, AUI23126, AI337321, AW088492, AI984023, BG105936, AI989481, BG115461, Z99413, AV752874, BG164521, AI830368, AUI31231, BE046108, AW951238, AW593926, AL134557, BG259862, AW631373, BE328781, AW851082, AW029158, BE789679, AW961129, AA442913, BF793879, AW663665, AW022139, BF432072, AI434336, AI436090, AI809757, AV682735, AW768573, AW439527, BF083068, AI913448, AI440089, AI341304, AV718717, AI190267, AI147127, BG025485, AW613371, AI795941, AI765979, AI216333, AA578569, AI570253, AW235152, AA760815, AI056839, AW439931, AI215415, AA732638, AUI53007, AA927068, N29456, AW190061, AA041498, W95177, AA761960, D82513, AI358433, AA776029, BE326691, D82515, AI033177, AI752749, AA262804, AI204230, AW192067, H15877, AW083388, BF750393, BF217438, AA397563, AA026006, H14766, W94597, R51526, AI859270, BF223414, BF431093, AA806627, AV655427, AA781883, BG178000, H43399, H73767, T28485, AA731599, T79974, AI718564, R53656, AA134349, BE156349, D82467, AV657727, AV657350, AV657690, R11928, R53074, BE702241, W58753, AA025218, AA593057, R51525, H74151, BF114660, R15295, N41480, BE875554, H98205, AW954282, AW959453, AW182028, AI863791, AA134348, H47642, R93603, Z43506, H43344, AA041264, BE537020, H29807, H47947, AI370277, D82386, AW842224, AA300686, R02057, BF085644, F05667, AI695688, R25259, AA279606, R41222, AA934641, R14900, Z38623, R02056, T29666, W05800, AW892808, R93604, AW363232, AL039132, AI750184, AV736213, T29285, M86031, H98204, AI926218, AI470448, BE143058, BF541917, AA385114, N72769, AV686989, AW961122, BF818257, AL526144, BE698943, BG027822, AA828877, BF213906, AA096386, AV689120, AI865601, AI865462, BF085643, R53163, J04027, L14561, M95541, M95542, X59069, AK027053, X53456, AK024895, J03753, AF070606, S49852, AF287015, L08769, AF076783, L04739, I58000, AF216705, AC007314, M25824, and AW083471.
HKGC025	679	104038	1 - 738 15 - 752	AUI23678, AUI18105, BG027584, AI207407, BF974367, BF973516, BG259718, AUI23965,

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HNOJN70	680	104038	5		

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HADFS31	681	104038 8	1 - 3839	15 - 3853	

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HJBC89	682	104056 9	1 - 1435	15 - 1449	AW953446, BE792468, AI051989, AU128893, BF220324, BE549353, AW956873, AW009905, AV751585, BE251103, BF973368, AI310510, AA703004, AV751891, BE973862, BF033333, BF197271, AA910262, BE266993, AW411419, AA890707, AI339233, AA887323, AU151115, AA306175, AI200470, AI033882, BF035058, AA641095, AA652477, AA679821, AA593627, BE883034, AA082991, AW675300, AL157587, AA083148, R52335, BF087892, BF197102, T64853, R52334, BF674548, F09900, T08457, AI719735, AA356384, F12274, BE874556, BF444928, R94927, AA580037, T72595, AA652284, AW473407, AA309035, AI721010, BF525686, T08456, BE168731, R95011, AA593585, BE164522, AI358215, BE169297, AA588306, AW815166, AW815109, R21419, AW167476, AA506721, AI984330, AA642882, AA933907, F09641, AI984620, H17612, AV725813, BE380051, AL135371, BE886923, AW439106, AW953295, AV722866, AA862969, BG163790, BF212074, BE870915, R37033, R66798, T65164, BE566121, F15256, AW815164, AW614319, BF064228, AW001817, AA724375, R42976, AI092698, AW338411, AA365565, BF431158, AA365564, AI767448, BF739231, AW959721, BF221927, AA89202, AW815163, AW501169, AA350822, AA593964, BF954327, BF090088, BE160156, AW795832, R48126, BF960610, AA779908, AA045537, D86724, U82256, U75667, AR018045, AL049779, U90886, AF032466, U90887, AF045964, and AF045963.
HTAIX75	683	104059 1	1 - 756	15 - 770	AL520854, BF128615, BF525816, H48321, H17689, BF376847, H17759, H09891, BE830948, BE830958, BE830973, AL524180, H09234, AL524181, BF999727, R12299, Z42268, AL520853, T85877, Z41861, BF829713, BE705874, AW351575, AW375132, BF772521, and AK024423.
HODBO29	684	104062 0	1 - 896	15 - 910	AI885067, AI688253, AI570457, AV764603, BG163869, TI6332, BF309856, AW406353, AV690861, AV690628, AA227293, H18458, R35332, BE260548, AA151176, AA161419, AW404488, AA243390, R58860, BE312401, H29205, W80943, W02919, BF541769, BE741045, T34002, H84560, AI572320, W32649, AI907827, T16948, BE246518, H18566, AA447824, AA113191, AA126138, AL008726, X86032, AF014404, AR016567, and AF124264.
HOCOF27	685	104063 1	1 - 851	15 - 865	AU118514, AL046707, BE018880, BE336668, W92272, AA778077, AA280361, BG035941, BE791807, AV686562, AU119701, AU117950, AA367397, AA476844, AU117738, BE378986,

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HSPSE88	686	104069 4	1 - 1201	15 - 1215	AL522502, AI580032, BG167858, AI814672, AI523542, BF085511, AW248591, AI673372, AV717115, AW249030, AA706791, AW069122, AA552495, AW009843, AI887757, AA702426, AW967585, AL522483, BG119838, BF084804, AI819028, AI769618, AW004998, AI003971, AA004715, AI767828, D51209, AW028878, W52965, AW514974, AA769293, AL525127, AA837168, AI285801, W25980, AI039059, AW771651, AI525128, AI311076, AW602162, AI869745, AA677218, AI813376, AI567875, AA618513, AI022994, AI052487, AA854146, AI266735, AI301548, AI832231, AI290695, BF084849, AA480013, AA934722, N26737, N20194, AI075621, AA668848, AI336515, BE139312, AA250959, AA670215, AA005144, W60442, AI336632, AI344914, AA705145, AI254375, AI590516, AI963828, AI318582, BE139400, AI583883, AI420764, AI590506, AA084523, AA483679, AA214591, AA250936, AU157618, BE857751, AI318600, AW407012, AW088623, BF002850, W26823, C06455, AV735834, AI241622, AI886710, BF055934, BF735232, AI318622, BF054864, BF718700, N29095, AW075037, BF055923, BF718706, BF718780, BF718679, T31522, AI250134, F29530, BE090812, H50863, AW023092, AW271291, AV745255, BF818430, AA856884, BE27076, Z30135, AV745621, AV686960, BG105965, AV688067, AV745595, BE708176, AV746034, H65158, AV750475, H50864, AV745496, T16485, AV745590, H53754, BF340024, H53806, BE905806, AV746420, BF813703, BE465282, AA120927, AV745583, AA385893, AV745257, N34624, BF346625, AV740255, BE258692, AW953410, AI675235, AL036612, BF084807, AV746037, BE905887, H65110, AI796558, BE905886, AI929637, AV745706, W28921, AV736646, AV737270, AL522501, AA309808, AV745991, W28285, BE764455, Z24835, T30568, AW189684, BF346696, AU138453, AA577951, AW189724, AI470855, AV739283, AV735293, BE092913, BE092992, BF332686, AW304361, AV745534, BF303636, BF332689, BE092904, BE775213, BF791676, BE139142, BF085484, AA367501, BE092923, BE645740, AW071427, AA211065, AA478966, C01872, AI281641, AI828980, AA811793, N55933, AW271045, AI280091, AW118844, AI583843, BF677954, AA742247, AV745203, AI902771, BF130510, BF818366, AA804918, BF754682, AW019940, N86733, AA199628, AI000664, AW613495, AV745710, AV646906, AI500514, AI537643, AI537677, AW168406, AW051233, AA583730, BG029829, AV747873, AW075484, AI872555, AW162194, AW073996, AI621341, AI352326, AI540759, AI927233, AW827289, AL514973, AI469801, AI470648, AI540674, AI573167, AI254341, AI589428, AI700159, AI564448, BF033296, AI620810, AI859991, AI590020, AI225000, AL513913, AI758309, U82130, AR040684, AR070431, AR040683, U52945, AF060867, AF060868, X82319, AF260436, AL359620, AL157480, D00174, S36676, AF113694, I09499, AF260566, AK024533, AK026021, AL137560, AB044547, AB047930, AF177401, AL389935, AL050277,

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HSKXM78	687	104082 6	1 - 858	15 - 872	BE778880, AW816011, BF959875, BF512759, BE697738, AW994684, BE697734, AW993955, BE879998, BE697706, AA248841, BF836641, BF902690, A1251783, AA196706, BF904841, BE843972, AA337691, AW805127, BE925951, BF092498, BF900617, AA393948, W87655, BF376916, BF954313, BF960296, BE938584, BF768665, BE886093, AU125354, BG031978, AA358761, BF920575, BE084190, BF885474, A1242978, AK001550, AK025060, AJ132702, AC008114, and AC007551.
HNLMB92	688	104091 3	1 - 802	15 - 816	BE395284, BF688969, BE619433, BF688497, BE619955, BF034699, BE793692, AU132971, BE394828, BG251090, BG036941, W80994, AV701506, BE407112, BF972848, BE265852, A1879010, BF725090, A1929509, AW954089, BF316261, BG117117, BF970435, AW161416, AV721738, BE728687, N56607, BF183092, BE392873, BF205782, BE274940, BE385584,

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HE8ON57	689	104092 5	1 - 564	15 - 578	AW016248, AW027466, BF110174, AL537615, BF205424, BG163867, BE294995, AV685072, AV694867, AL532813, BF791966, BE280531, BE019871, BF689588, R58479, BF683953, BE252149, BE745812, BE538062, D80087, AW376826, AW376819, AW848374, AW376824, AW848735, AW848234, H11901, AW578354, AW578356, AW848720, BE274355, BF969663, H58623, BE008928, AV707901, AW377761, BE543151, BF881008, W21607, T59768, BE392889, AW849075, BG105010, BE742244, T61979, AA150795, AA318803, and AK026004.
HOCOC14	690	104093	1 - 1639	15 - 1653	AL518928, AL518929, AL523989, AL522922, AL520654, AL530234, AL525704, AL524660,

	2			<p>BE734932, AL523990, BE616063, AL522923, AL520653, BE731039, AL528815, AI125327, BF971563, AU121502, BE408068, BE734938, BE733579, BE616725, BE531350, AU142110, BE887302, BE019956, BE561196, BG035894, BG251378, BE879259, BE559991, BE787635, BE734772, BG024354, BE732747, BE531105, AU139052, BE512825, AW044282, BE267649, BE736817, BE797463, AW245839, BE880272, BG036310, BF305994, BE888636, BE559760, AW269411, BE737311, BE874495, AI874338, BE895907, BE732526, BE889079, BF980515, BE313007, BE733664, BE261191, AW025887, BE778134, BF338718, BE258504, BF308251, BE622472, BF204668, AI570173, BE269541, AI523807, AI798015, BE327975, BE732963, BG035398, BG257028, BE560427, BE559672, BG105763, AI693964, AI623556, BE548036, AW245480, AW468763, AW340597, AA411446, BE264562, BE892193, BE501622, BE208210, BF310786, BE788219, BF433761, AA730999, AW138366, BE206622, AI951026, AW662868, BE207633, BE258321, BE208354, AI928950, AW316553, AW571892, AL042711, BF805107, AI811540, BE615656, AI619639, AI347051, AA448458, AI018662, AA311059, AW160891, AI208134, AI989392, AI797562, BF305411, BE778213, AI929204, AI359889, AA609372, AI623598, BE547532, AA824359, AW084058, BE542734, AI016414, AI422220, BG165497, AI949381, BF026772, AA176264, AA961962, AW207879, BF242341, AA075759, AI024098, AA693463, AA815024, AI682344, AW518377, AW139570, BE267097, AI469875, AA992489, BF343470, AA809911, AA953483, AA456176, AA010983, W79655, AA614851, AA291740, AA514279, AA876472, AA827321, AA512947, AI658741, AI682350, H47523, RS3855, AW403338, R36775, AI185263, AA176263, AA112347, BE544672, H51240, AA665755, AA028115, AA295764, AA134798, AI376648, R75909, AA028118, H47524, AA813144, BF927787, R45594, AA359464, W81356, AI990826, AA076330, T51903, R68560, AI684678, AW168541, BE895120, AA860965, W32737, BF811152, AA335389, AA991454, BE622771, AI872701, AA948519, AA915961, BF754891, AA609388, T49869, AW848338, R25535, AI564883, AA551876, T49870, AA332151, T28632, R24448, AU123912, BF916394, BE937706, AA723878, AI886064, AA205594, H51205, AA157253, BE243482, R70578, AA074060, AA113145, AA291863, W31084, AA885389, AA037009, AA443111, AW084578, AA157349, AA693491, AA745946, W20492, AW364539, AW364551, AW364536, AW364549, AW364550, AW364531, AI000701, X06347, AI14656, AC020945, L15447, M60784, M60779, M60781, M60782, M60780, M60783, T51855, N55234, N77222, N98520, AA076329, AA205605, AA431562, AI452558, AI188213, and AW085901.</p>
HOGDP49 691	104104 9	1 - 1506	15 - 1520	<p>AL520398, AL520397, BE781402, BE562860, BE779878, BF338078, AW957700, BE887964, BE895896, BF980871, BE382512, BE407804, BE901552, BE393549, BE904389, BE551136, AA708831, BE910201, AL525080, W72758, BF057572, BF436823, BF223668, BE272529, AW977090, BF589763, AI659008, BE256374, BE780025, AI694894, BF111938, AA528686, AI097639, BF447767, AW135277, AI306571, BF663658, AI347268, AA806250, BE674395, AA737822, AI435032, AI264112, AA806253, AI355674, AA764791, AI270461, AA629351,</p>

	692	104107 0	1 - 346	15 - 360	AA737962, AW236845, BE551669, AI621104, AA741168, AA834037, AI192714, AW206133, AA487751, AA992125, AI695843, H09788, AI306570, AI188987, AA024776, BE548887, AI653737, AW768833, T16803, AI918924, AA329661, AA676766, R60971, BE890846, AI802864, W05108, AA782636, T35612, AW291890, AW771688, H09874, W77957, AW207098, BE327186, AA024775, AI183701, H11234, AA041251, W05114, N75407, AI123009, AI000134, AA460551, AA935286, AA460550, H11233, N75413, AI198141, AA041185, R61638, BF594501, Z40588, BE218709, Z44785, AI915092, BF056233, AA320849, AA746712, BF806019, AI445734, AA973406, BF694218, N55850, BF975812, AL035653, AF285118, AF088060, and AL121978.
HOFMK22	693	104190 0	1 - 796	15 - 810	AU133809, AW247757, AW631437, AU141780, AL516064, AW995203, AL535497, AW239330, AL538255, BG115014, AA211149, AW249015, AU126504, BF093036, AL538002, BF149177, AV741584, AV738583, BE934466, BG002637, BE934447, BE293898, BG107041, BE788850, AW361739, AI557500, R18319, BG024330, BE260462, BE383537, AU117400, BE799981, BF844517, AK023310, AF161479, AK023927, AJ238379, AK001316, AL109840, AC010102, AJ238742, AJ238741, and AJ238743.
HBGNT69	694	104246 2	1 - 3700	15 - 3714	AI624015, AI806163, AI761336, AI239973, AW014766, BE464659, AA977211, AI674651, AI148345, AI866649, BE645052, AI125625, AI086758, AI128040, AI655162, BE551928, AI161332, AI655161, AV753160, AA610185, AW236531, AI292283, AA292277, AA477646, AI690722, AA394127, AA609466, BG059648, AI190454, AI018185, BF593539, AI829500, AI700453, AW316589, AW196672, AI074772, AW341618, AW167322, AW302218, AA025586, AA838081, AI024041, AI041061, R87527, AA902915, AW594410, H14071, AI204603, H51531, AI750779, H14072, AI190999, C02480, AI671151, AW025750, H66637, AW960210, AA113917, AA377473, AI825064, AI970416, AA058796, AI203054, AI242978, W23707, AW341710, AW769637, W35307, AI567190, R11213, AA278295, H39857, AA359315, AI123865, AA293310, AI128283, AA339310, AA025710, BF934944, BF935648, AL047028, AI078227, AW604820, BG006575, BF725867, BE175407, BE175410, BE312886, AL048445, BE260545, AL096870, I38154, L41066, AF283284, and AF309389.
HSPSI42	694	104246 2	1 - 3700	15 - 3714	AL537329, AL535764, AU125011, AL528428, AL533752, AL535576, AU125456, AL516645, BF026718, BE745954, BE792053, AA630332, BE740049, AU141066, BF034894, BE903114, BE742121, AI201168, BE740144, BE735567, AL516644, BE378821, AU125164, BE563488, AI937247, BE898530, AU124908, BE619144, BF967935, BF688475, BF311849, AL528122, AI279435, BF316813, BE792504, BF026094, BE746069, BE906552, BE561254, AW857789, BE798640, BG033830, BE383120, AL518988, BF974657, BF348245, BF796308, BE304685, BG260649, BG115158, AW363807, AU125397, AI951762, AI923289, BE561374, BE262515, BE734666, BE784840, AI956069, BF026686, BE292907, BE884663, AA769147, BE897193, BE747627, BE613524, BF971971, BE546212, BE389493, BE613370, AV656237, BF034293, AI499201, BE386001, BF975490, AA218856, BE799774, BE882271, BE885327, BE870012,

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